

keratec

GENERAL CATALOGUE . CATÁLOGO GERAL . CATALOGUE GÉNÉRAL



ALELUIA CERÂMICAS

Symbols



WALL & FLOOR / EXTRUDED PORCELAIN TILES

Revestimento e Pavimento / Porcelanato Extrudido . Revêtements & Carreaux de Sol / Grès Cérame Étiré



WALL / EXTRUDED PORCELAIN TILES

Revestimento / Porcelanato Extrudido . Revêtements / Grès Cérame Étiré



UNGLAZED FULL BODY PORCELAIN

Porcelanato extrudido não esmaltado toda massa . Grès Cérame plaine masse non vitrifiée



SLIP RESISTANCE

Resistência ao Escorregamento . Résistance au Glissement



THICKNESS

Espessura . Épaisseur

RET.

RECTIFIED

Retificado . Rectifié



keratec

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Keratec Presentation

In a world where specialization is a competitive advantage, the Keratec brand products are manufactured in a modern and innovative Portuguese ceramics unit of extruded porcelain floor and wall tiles, whose diversity of range and physicochemical characteristics of superior quality serve the needs of the most demanding and ambitious projects.

Num mundo onde a especialização é uma vantagem competitiva, os produtos da marca Keratec são fabricados numa moderna e inovadora unidade cerâmica portuguesa de pavimentos e revestimentos em porcelanato extrudido, cuja diversidade da gama e características físico-químicas de qualidade superior servem as necessidades dos projetos mais exigentes e ambiciosos.

Dans un monde où la spécialisation constitue un avantage compétitif, les produits de la marque Keratec sont fabriqués dans une moderne et innovante unité céramique portugaise de carreaux de mur et de sol sur grès cérame étiré, dont la diversité de la gamme et caractéristiques physico-chimiques de qualité supérieure qui répond aux besoins des projets les plus ambitieux et exigeants.

WHY CHOOSE KERATEC?

PORQUÊ ESCOLHER KERATEC?

POURQUOI CHOISIR KERATEC?

Pioneers in the world market, Keratec products are obtained from exceptional raw materials, which undergo a milling process of reduced granulometry and are formed by high pressure extrusion, and, finally, are fired at high temperatures, giving the product unique and high quality physicochemical characteristics.

Pioneiros no mercado mundial, os produtos Keratec são obtidos a partir de excecionais matérias-primas que são submetidas a um processo de moagem de reduzida granulometria e conformadas por extrusão de elevada pressão e, por último, cozidas a elevadas temperaturas, concedendo ao produto características físico-químicas únicas e de elevada qualidade.

Pionniers dans le marché mondial, les produits Keratec sont obtenus à partir de matériaux d'exception qui sont soumis à un processus de réduction de la taille des particules de fraisage et par extrusion d'haute pression et enfin cuits à des températures élevées, ce qui donne au produit les propriétés physico-chimique unique et d'haute qualité.

High Resistance to Abrasion and Break

High resistance to abrasion, scratching and bending, being suitable for all sorts of areas, including the most demanding, such as outdoor, industrial and high traffic.



LACTOGAL - FOOD PRODUCTS FACTORY, PORTUGAL

Alta Resistência à Abrasão e Rutura

Elevada resistência à abrasão, ao risco e à flexão, sendo adequados para todo o tipo de áreas, inclusivamente as mais exigentes, como exteriores, industriais e de elevado tráfego.

Haute Résistance à l'abrasion et à la Rupture

Haute résistance à l'abrasion, aux rayures et à la flexion, étant adapté à toutes les types d'espaces, y compris les plus exigeants, comme zones extérieures, industrielles et trafic élevé.

High Chemical Resistance

Minimal water absorption ($\leq 0,1\%$) and use of suitable raw materials, give the product a high resistance to chemicals, acids and bases in high concentrations.



UNIVERSITY LAB, PORTUGAL

Alta Resistência Química

Ínfima absorção de água ($\leq 0,1\%$) e utilização de matérias-primas adequadas conferem ao produto uma elevada resistência aos agentes químicos, aos ácidos e bases em elevada concentração.

Résistance Chimique Élevée

Absorption infime de l'eau ($\leq 0,1\%$) et l'utilisation de matières premières appropriées donne au produit une haute résistance aux produits chimiques, les acides et les bases en forte concentration.

High Resistance to Stains and Acids

The products have a high degree of removal or attenuation of stains, which optimizes the maintenance and cleaning of the floor.



Alta Resistência às Manchas e aos Ácidos

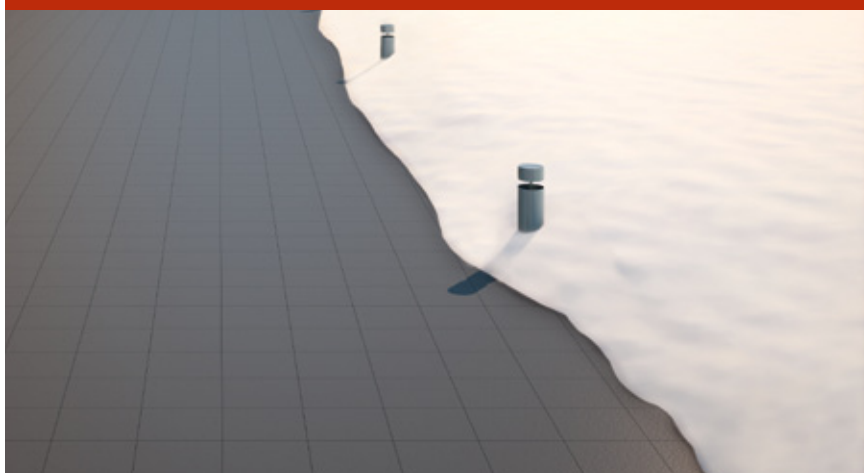
Os produtos possuem um elevado grau de remoção ou atenuação de manchas, que otimiza a manutenção e limpeza do pavimento.

Haute Résistance aux Taches et aux Acides

Les produits ont un degré élevé d'élimination ou l'atténuation des taches, qui optimisent l'entretien et le nettoyage du carreaux.

High Resistance to Thermal Shock and to Frost

High resistance to temperature variations and to frost, which are key features in the choosing of this product by its prescribers.



Alta Resistência ao Choque Térmico e ao Gelo

Elevada resistência às amplitudes térmicas e de resistência ao gelo, são características determinantes na opção dos prescritores por este produto.

Haute Résistance aux Chocs Thermiques et à la Glace

Haute résistance aux variations de température et de résistance au gel, ce sont des caractéristiques clés dans le choix des prescripteurs pour ce produit.

Unglazed Full Body Porcelain Tiles

A high quality product, with a homogenous surface and body, which ensures a high longevity.



Porcelanato Extrudido Não Esmaltado Toda Massa

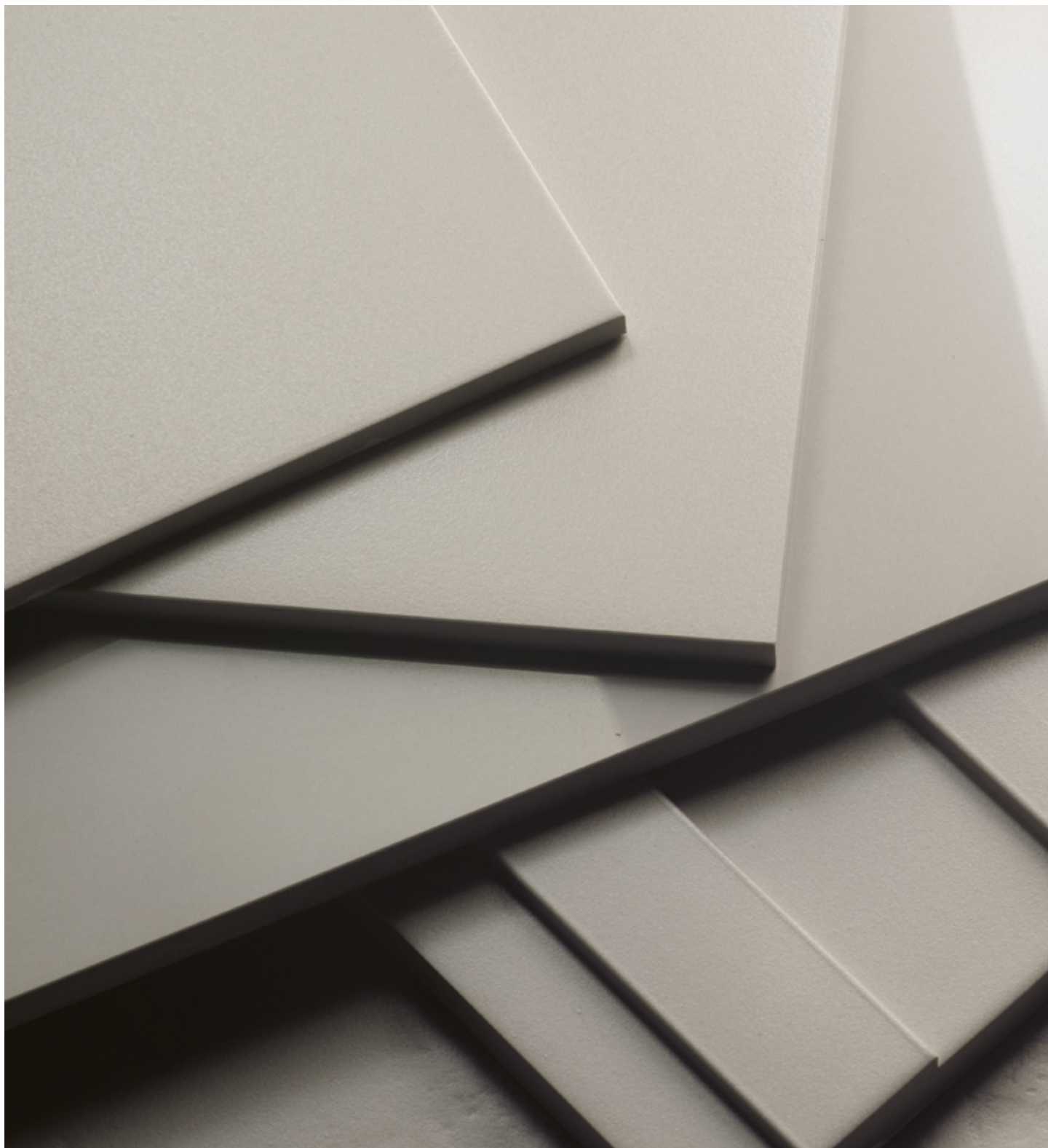
Um produto de elevada qualidade e com uma superfície e corpo homogêneo, que asseguram uma elevada longevidade.

Grés Cérame Étiré Non Émaillé Plaine Masse

Un produit de haute qualité avec une surface et un corps homogène qui assure une longévité élevée.

PRODUCT SUMMARY

RESUMO DE PRODUTO | SOMMAIRE DU PRODUIT



SERIES	THICKNESS	FORMAT	SIZE	FINISH	DIN 51130	ENV 12633	DIN 51097
RESIDENTIAL	0.45 cm	30x90	29.5x88.8x0.45 cm ret.	NATURAL	R9	CLASS 1	
		30x60	29.5x59.2x0.45 cm ret.	NATURAL	R9	CLASS 1	
	0.8 cm	60x60	59.2x59.2x0.8 cm ret.	NATURAL	R9	CLASS 1	
				CI	R10	CLASS 2	CLASS A
				SATIN			
		30x60	29.5x59.2x0.8 cm ret.	NATURAL	R9	CLASS 1	
				CI	R10	CLASS 2	CLASS A
				SATIN			
			30x60x0.8 cm	NATURAL	R9	CLASS 1	
				CI	R10	CLASS 2	CLASS A
		40x40	39.2x39.2x0.8 cm ret.	NATURAL	R9	CLASS 1	
				CI	R10	CLASS 2	CLASS A
				SATIN			
	40x40x0.8 cm		NATURAL	R9	CLASS 1		
			CI	R10	CLASS 2	CLASS A	
	30x30	29.5x29.5x0.8 cm ret.	NATURAL	R9	CLASS 1		
			CI	R10	CLASS 2	CLASS A	
			SATIN				
30x30x0.8 cm		NATURAL	R9	CLASS 1			
		CI	R10	CLASS 2	CLASS A		
TERRACES	0.8 cm	30x60	30x60x0.8 cm	ANTI-SLIP	R11	CLASS 3	CLASS B
		40x40	40x40x0.8 cm	ANTI-SLIP	R11	CLASS 3	CLASS B
		30x30	30x30x0.8 cm	ANTI-SLIP	R11	CLASS 3	CLASS B
FACADES	0.45 cm	30x90	29.5x88.8x0.45 cm ret.	NATURAL	R9	CLASS 1	
	1 cm	45x90	44.3x88.8x1 cm ret.	NATURAL	R9	CLASS 1	
HIGH TRAFFIC	1 cm	60x60	59.2x59.2x1 cm ret.	NATURAL	R9	CLASS 1	
				CI	R10	CLASS 2	CLASS A
				ANTI-SLIP	R11	CLASS 3	CLASS B
		30x60	29.5x59.2x1 cm ret.	NATURAL	R9	CLASS 1	
				CI	R10	CLASS 2	CLASS A
				ANTI-SLIP	R11	CLASS 3	CLASS B
		40x40	39.2x39.2x1 cm ret.	NATURAL	R9	CLASS 1	
				CI	R10	CLASS 2	CLASS A
				ANTI-SLIP	R11	CLASS 3	CLASS B
	0.8 cm	60x60	59.2x59.2x0.8 cm ret.	NATURAL	R9	CLASS 1	
				CI	R10	CLASS 2	CLASS A
				ANTI-SLIP	R11	CLASS 3	CLASS B
		30x60	29.5x59.2x0.8 cm ret.	NATURAL	R9	CLASS 1	
				CI	R10	CLASS 2	CLASS A
				ANTI-SLIP	R11	CLASS 3	CLASS B
		40x40	39.2x39.2x0.8 cm ret.	NATURAL	R9	CLASS 1	
				CI	R10	CLASS 2	CLASS A
				ANTI-SLIP	R11	CLASS 3	CLASS B
HEAVY TRAFFIC	1.2 cm	30x30	30x30x1.2 cm	NATURAL	R9	CLASS 1	
				CI	R10	CLASS 2	CLASS A
				TEXTURED CI	R12	CLASS 3	CLASS B
				DRAINAGE TEXTURED	R12-V6	CLASS 3	CLASS C
		20x20	20x20x1.2 cm	NATURAL	R9	CLASS 1	
				CI	R10	CLASS 2	CLASS A
				TEXTURED CI	R12	CLASS 3	CLASS B
				DRAINAGE TEXTURED	R12-V6	CLASS 3	CLASS C
				KERABRAILLE - GUIDE LINE CI	R10-V10	CLASS 2	CLASS A
				KERABRAILLE - CAUTION LINE CI	R10-V10	CLASS 2	CLASS A
				KERABRAILLE - SAFETY LINE CI	R10-V10	CLASS 2	CLASS A
				KERABRAILLE - CHANGE OF DIRECTION CI	R10	CLASS 2	CLASS A

Keratec Solutions

The Keratec solutions are available for the residential sector, outdoor areas, façade systems, areas of high traffic, and industrial areas, through a wide range of formats and thicknesses, complemented by trim pieces (accessories), in natural, satin, anti-slip, textured and drainage surfaces, in which resistance and quality are priorities, presenting itself as the ideal solution for the most demanding requirements.

As soluções da Keratec estão disponíveis para os setores residencial, exteriores, sistemas de fachadas, zonas de alto tráfego e áreas industriais, através de uma vasto conjunto de formatos e espessuras, complementados com peças de acabamento (acessórios), superfícies naturais, acetinadas, antiderrapantes, texturadas e drenantes, onde a resistência e a qualidade são prioridades, apresentando-se como a solução ideal para os mais exigentes requisitos.

Les solutions Keratec sont disponibles pour les zones résidentielles, extérieures, systèmes de façade, les zones de forte circulation et les zones industrielles, à travers une large gamme de formats et d'épaisseurs, complétée par des pièces de finition (accessoires), des surfaces naturelles, satinées, antidérapantes, texturées et de drainage, où la résistance et la qualité sont des priorités. Keratec se présente comme la solution idéale pour les besoins les plus exigeants.

KERATEC SOLUTIONS:

SOLUÇÕES KERATEC | KERATEC SOLUTIONS

The Keratec solutions are available for the residential sector, outdoor areas, façade systems, areas of high traffic, and industrial areas, through a wide range of formats and thicknesses, complemented by trim pieces (accessories), in natural, satin, anti-slip, textured and drainage surfaces, in which resistance and quality are priorities, presenting itself as the ideal solution for the most demanding requirements.

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Residential

14-25



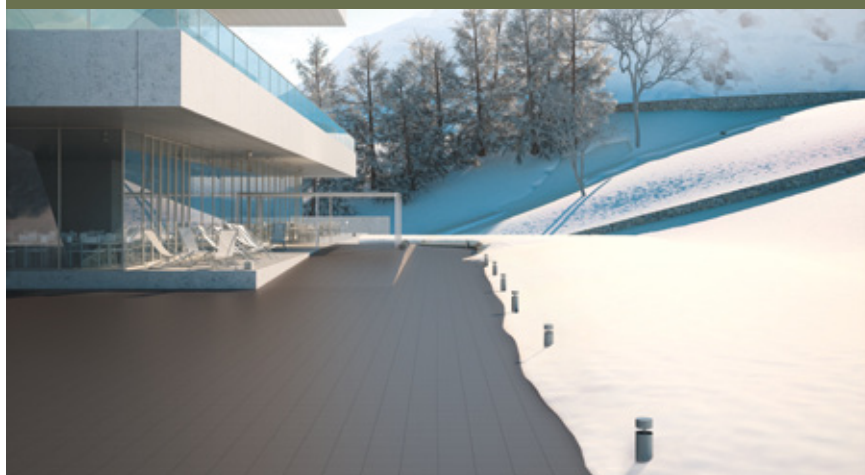
High performance range, which covers the classical applications of residential usage, and allows new areas of application, specially focused on renovation, thanks to recent innovations.

Gama de elevada performance que cobre as aplicações clássicas de uso residencial e abre novas áreas de aplicação, especialmente focadas na renovação, graças a recentes inovações.

Gamme de haute performance qui couvre les applications classiques d'utilisation résidentiel et ouvre des nouveaux espaces d'application, surtout axée sur la rénovation, grâce à de récentes innovations.

Terraces

26-33



Range of non-slip products designed to meet the needs of spaces where security and superior resistance are a requirement.

Gama de produtos antiderrapantes concebida para satisfazer as necessidades dos espaços onde a segurança e resistência superior são uma exigência.

Gamme de produits antidérapants conçus pour répondre aux besoins des espaces où la sécurité et la résistance supérieure sont une exigence.

Facades

34-45



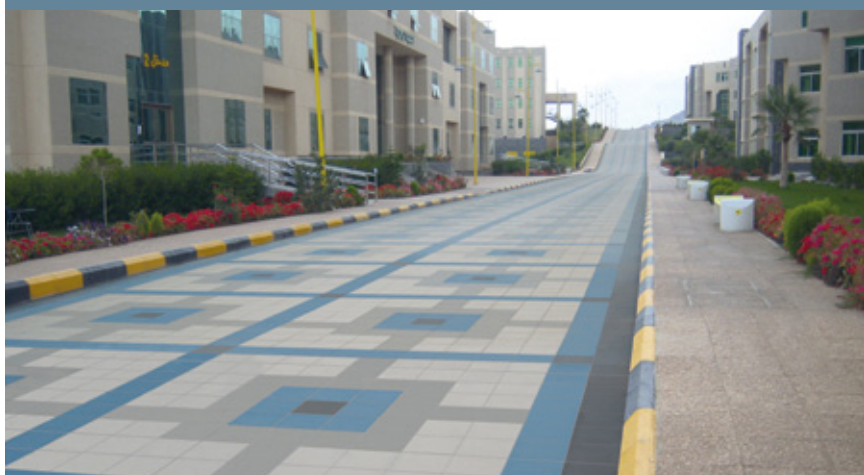
Range dedicated to the requirements of contemporary architecture of exteriors, meeting the needs of ventilated and glued facade systems.

Gama dedicada aos requisitos da arquitetura contemporânea de exteriores, satisfazendo as necessidades de sistemas de fachadas ventiladas e coladas.

Gamme dédiée aux exigences de l'architecture contemporaine d'extérieur, répondant aux besoins de systèmes de façades ventilées et collées.

High Traffic

46-51



Range designed to serve areas of higher traffic (for example, public spaces, commercial spaces, schools, hospitals, pharmacies, etc.), where high resistance, durability and easy maintenance are key requirements.

Gama concebida para servir áreas de tráfego mais intenso (ex: espaços públicos, espaços comerciais, escolas, hospitais, farmácias, etc.), onde a elevada resistência, durabilidade e fácil manutenção são requisitos fundamentais.

Une gamme conçue pour servir les zones de trafic plus intense (par exemple, les espaces publics, espaces commerciaux, les écoles, les hôpitaux, les pharmacies, etc.) où la haute résistance, durabilité et facilité d'entretien sont des exigences clés.

Heavy Traffic

52-59



Range that offers high robustness and resistance to stains and chemical agents, suitable for more demanding areas, with handling of heavy loads and / or high resistance in general (for example, parking lots, hypermarkets, public transports, industry, laboratories, etc.).

Gama que oferece elevada robustez e alta resistência a manchas e agentes químicos, adequada para áreas mais exigentes, com movimentação de cargas pesadas e/ou elevada resistência em geral (ex: estacionamento, hipermercados, transportes, indústria, laboratórios, etc.).

Une gamme qui offre une résistance élevée et une haute résistance aux taches et aux agents chimiques, adapté pour les zones les plus exigeantes, la manutention de charges lourdes et / ou haute résistance en général (par exemple, les parcs de stationnement, les supermarchés, les transports, l'industrie, les laboratoires, etc.).



WALL:
PRETO 29.5X88.8X0.45 CM RET. NATURAL 1030

FLOOR:
CINZA CLARO 39.2X39.2X0.8 CM RET. NATURAL 1020

Residential

The high performance of the floor and wall tiles of Keratec, combined with a minimalist aesthetic concept, finds its maximum expression in both urban environments and in more private spaces.

The robustness, sophistication, modernity and easy maintenance, are strong arguments in the decision making for a product with these characteristics.

The diversity of formats and finishes and the colour harmony allow various possibilities in the creation of spaces.

Its offer also includes innovative solutions with just 0.45cm of thickness, ideal for renovation projects, which allow a direct application over the existing finishing to be renovated, with the inherent cost and time savings.

A elevada performance dos pavimentos e revestimentos da Keratec aliada a um conceito estético minimalista encontram a sua máxima expressão tanto em ambientes urbanos como em espaços mais privados.

A robustez, a sofisticação, a modernidade e a fácil manutenção são argumentos de peso na tomada de decisão de um produto com estas características.

A diversidade de formatos e acabamentos e a harmonia de cores oferecem várias possibilidades na criação de espaços.

A sua oferta inclui também soluções inovadoras com apenas 0.45cm de espessura, ideais para projetos de renovação, que permitem a aplicação direta sobre o acabamento já existente a renovar, com as inerentes economias de custo e tempo.

La haute performance des produits Keratec combinés avec un concept esthétique minimaliste trouve son expression maximale dans les ambiances urbaines et dans les espaces plus privés.

La puissance, la sophistication, la modernité et un entretien facile sont des arguments forts dans le processus décisionnel d'un produit avec ces caractéristiques.

La diversité des formats, de finitions et l'harmonie des couleurs offrent différentes possibilités dans la création des espaces.

Son offre comprend également des solutions innovantes avec seulement 0.45cm d'épaisseur, idéal pour les projets de rénovation, pour l'application directe sur la finition existante à rénover, avec les inhérentes économies de coûts et temps.

Renovation (0.45cm)

With only 0.45cm of thickness, it is the ideal solution for renovation projects, allowing for a direct application over the existing finishing to be renovated, with the inherent cost and time savings.

Renovação (0.45cm)

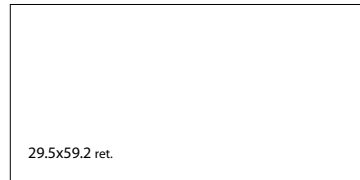
Com apenas 0.45cm de espessura, é a solução ideal para projetos de renovação, permitindo a aplicação direta sobre o acabamento já existente a renovar, com as inerentes economias de custo e tempo.

Rénovation (0.45cm)

Avec seulement 0.45cm d'épaisseur, c'est la solution idéale pour les projets de rénovation, pour l'application directe sur la finition existante à rénover, avec les inhérents économies de coûts et temps.

SIZES (cm)

FORMATOS . FORMATS



FINISHES

ACABAMENTOS . FINITIONS



New Projects (0.8cm)

High performance range with 0.8cm of thickness, which includes classic applications of ceramic material for residential use, ideal for deep renovation projects or for original projects.

Novos Projetos (0.8cm)

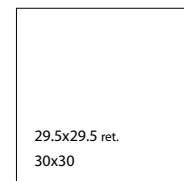
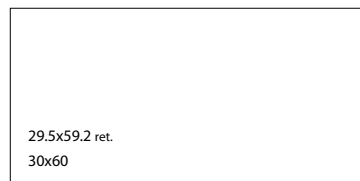
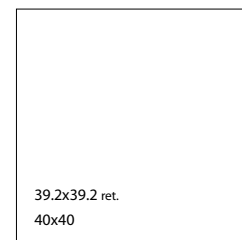
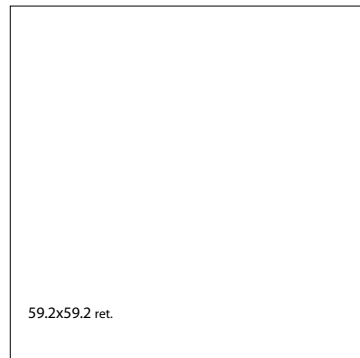
Gama de elevada performance com 0.8cm de espessura, que engloba as aplicações clássicas de material cerâmico de uso residencial, ideal para obras de renovação mais profunda ou projetos de raiz.

Nouveaux Projets (0.8cm)

Gamme d'haute performance avec 0.8cm d'épaisseur, ce qui inclut des applications classiques de matériaux céramique à usage résidentiel, idéal pour les projets de rénovation plus profonds ou des projets de racine.

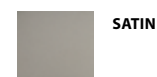
SIZES (cm)

FORMATOS . FORMATS



FINISHES

ACABAMENTOS . FINITIONS





NEGRO 29.5X88.8X0.45 CM RET. NATURAL 1032

RENOVATION



CASTANHO ESCURO 29.5X59.2X0.8 CM RET. NATURAL 1057
CASTANHO ESCURO 29.5X29.5X0.8 CM RET. NATURAL 1057

COLOURS CORES . COULEURS



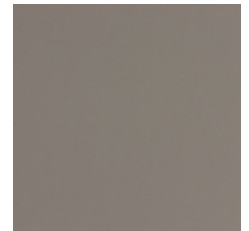
Pérola



Cinza Claro



Bege



Cinza Escuro



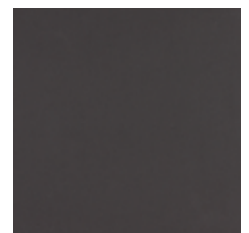
Ouro



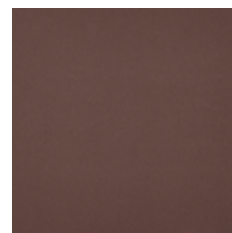
Preto



Vermelho



Negro



Castanho Escuro



Alumínio

Residential

Extruded Porcelain Tiles
Porcelanato Extrudido · Gres Cérame Extré

Renovation (0.45cm)

With only 0.45cm of thickness, it is ideal for renovation projects, allowing for a direct application over the existing finishing to be renovated. Without loosing all its distinctive characteristics of resistance, durability and cleanliness, it allows the obtainment of high work timing and the significant reduction of costs.

Renovação (0.45cm)

Com apenas 0.45cm de espessura, é ideal para projetos de renovação permitindo a aplicação direta sobre o acabamento já existente a renovar. Sem perder todas as suas características distintivas de resistência, durabilidade e facilidade de limpeza, permite obter elevados ganhos de tempo de obra e redução significativa de custos.

Rénovation (0.45cm)

Avec seulement 0.45 cm d'épaisseur, il est idéal pour les projets de rénovation permettant l'application directe sur la finition existante à rénover. Sans perdre toutes ses caractéristiques distinctives de la résistance, la durabilité et la facilité de nettoyage, il permet des élevés gains de temps de travail et des économies de coûts significatives.



FULL
BODY



PÉROLA

29.5x88.8x0.45 cm ret.
29.5x59.2x0.45 cm ret.

Natural
1014 | K31
1014 | K27



CINZA CLARO

29.5x88.8x0.45 cm ret.
29.5x59.2x0.45 cm ret.

Natural
1020 | K31
1020 | K27



BEGE

29.5x88.8x0.45 cm ret.
29.5x59.2x0.45 cm ret.

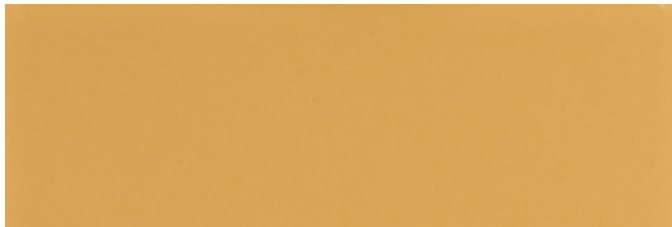
Natural
1035 | K31
1035 | K27



CINZA ESCURO

29.5x88.8x0.45 cm ret.
29.5x59.2x0.45 cm ret.

Natural
1025 | K31
1025 | K27



OURO

29.5x88.8x0.45 cm ret.
29.5x59.2x0.45 cm ret.

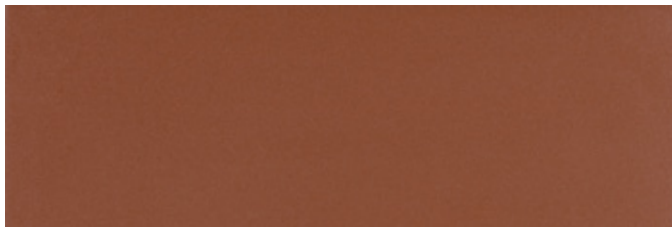
Natural
1050 | K31
1050 | K28



PRETO

29.5x88.8x0.45 cm ret.
29.5x59.2x0.45 cm ret.

Natural
1030 | K31
1030 | K27



VERMELHO

29.5x88.8x0.45 cm ret.
29.5x59.2x0.45 cm ret.

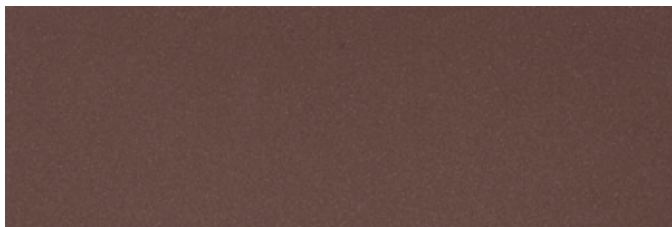
Natural
1065 | K32
1065 | K28



NEGRO

29.5x88.8x0.45 cm ret.
29.5x59.2x0.45 cm ret.

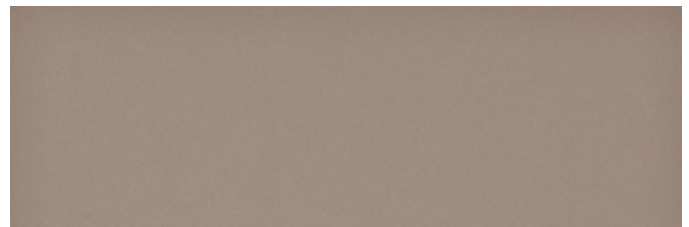
Natural
1032 | K31
1032 | K27



CASTANHO ESCURO

29.5x88.8x0.45 cm ret.
29.5x59.2x0.45 cm ret.

Natural
1057 | K32
1057 | K28



ALUMÍNIO

29.5x88.8x0.45 cm ret.
29.5x59.2x0.45 cm ret.

Natural
1028 | K31
1028 | K27





FRONT WALL:
ALUMÍNIO 29.5X88.8X0.45 CM RET. NATURAL 1028

RIGHT WALL:
PÉROLA 29.5X88.8X0.45 CM RET. NATURAL 1014

FLOOR:
NEGRO 59.2X59.2X0.8 CM RET. SATIN 1114

New Projects (0.8cm)

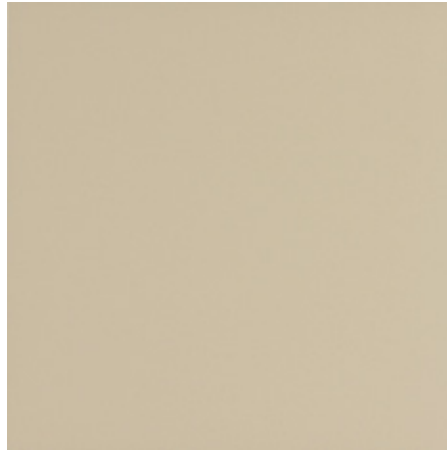
High performance range, which includes classic applications of ceramic material for residential use, in a full body product with 0.8cm of thickness, which ensures a high longevity for its robustness, resistance and cleanability.

Novos Projetos (0.8cm)

Gama de elevada performance, que engloba as aplicações clássicas de material cerâmico de uso residencial, num produto de toda a massa com 0.8cm de espessura, que assegura uma elevada longevidade pela sua robustez, resistência e facilidade de limpeza.

Nouveaux Projets (0.8cm)

Gamme d'haute performance qui comprend les applications classiques de matériaux céramique à usage résidentiel, un produit de pleine masse de 0.8cm d'épaisseur, ce qui assure une élevée longévité du à sa puissance, la résistance et la facilité de nettoyage.



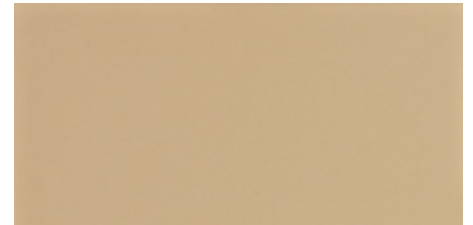
PÉROLA	Natural	CI	Satin
59.2x59.2x0.8 cm ret.	1014 K24	1014CI K25	1114 K29
39.2x39.2x0.8 cm ret.	1014 K20	1014CI K21	1114 K26
29.5x29.5x0.8 cm ret.	1014 K21	1014CI K22	1114 K26
40x40x0.8 cm	1014 K12	1014CI K13	
30x30x0.8 cm	1014 K7	1014CI K8	



PÉROLA	Natural	CI	Satin
29.5x59.2x0.8 cm ret.	1014 K20	1014CI K21	1114 K26
30x60x0.8 cm	1014 K13	1014CI K14	



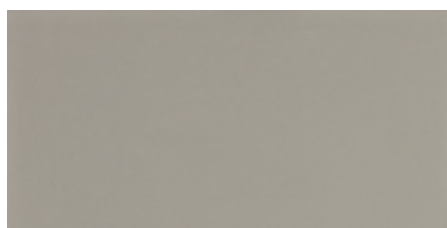
BÉGE	Natural	CI	Satin
59.2x59.2x0.8 cm ret.	1035 K26	1035CI K27	1135 K30
39.2x39.2x0.8 cm ret.	1035 K22	1035CI K23	1135 K28
29.5x29.5x0.8 cm ret.	1035 K23	1035CI K24	1135 K28
40x40x0.8 cm	1035 K15	1035CI K16	
30x30x0.8 cm	1035 K10	1035CI K11	



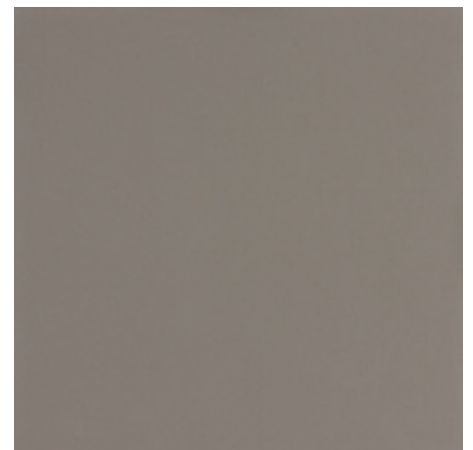
BÉGE	Natural	CI	Satin
29.5x59.2x0.8 cm ret.	1035 K22	1035CI K23	1135 K28
30x60x0.8 cm	1035 K16	1035CI K17	



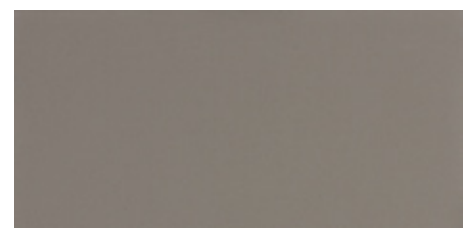
CINZA CLARO	Natural	CI	Satin
59.2x59.2x0.8 cm ret.	1020 K24	1020CI K25	1120 K29
39.2x39.2x0.8 cm ret.	1020 K20	1020CI K21	1120 K26
29.5x29.5x0.8 cm ret.	1020 K21	1020CI K22	1120 K26
40x40x0.8 cm	1020 K12	1020CI K13	
30x30x0.8 cm	1020 K7	1020CI K8	



CINZA CLARO	Natural	CI	Satin
29.5x59.2x0.8 cm ret.	1020 K20	1020CI K21	1120 K26
30x60x0.8 cm	1020 K13	1020CI K14	



CINZA ESCURO	Natural	CI	Satin
59.2x59.2x0.8 cm ret.	1025 K24	1025CI K25	1025 K29
39.2x39.2x0.8 cm ret.	1025 K20	1025CI K21	1025 K26
29.5x29.5x0.8 cm ret.	1025 K21	1025CI K22	1025 K26
40x40x0.8 cm	1025 K12	1025CI K13	
30x30x0.8 cm	1025 K7	1025CI K8	



CINZA ESCURO	Natural	CI	Satin
29.5x59.2x0.8 cm ret.	1025 K20	1025CI K21	1125 K26
30x60x0.8 cm	1025 K13	1025CI K14	



NATURAL
DIN 51130: R9
ENF 12633: CLASS 1

CI
DIN 51130: R10
DIN 51097: CLASS A
ENF 12633: CLASS 2

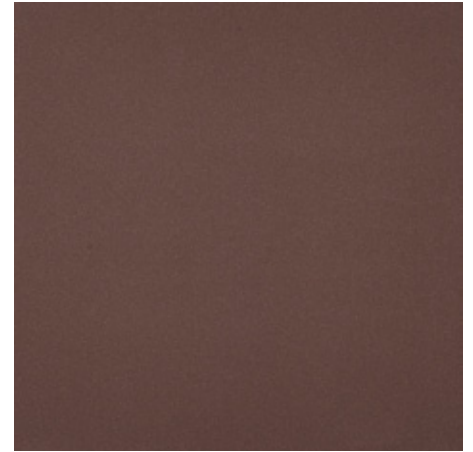
Residential



OURO	Natural	CI	Satin
59.2x59.2x0.8 cm ret.	1050 K31	1050CI K32	1150 K35
39.2x39.2x0.8 cm ret.	1050 K26	1050CI K28	1150 K32
29.5x29.5x0.8 cm ret.	1050 K27	1050CI K28	1150 K32
40x40x0.8 cm	1050 K22	1050CI K23	
30x30x0.8 cm	1050 K15	1050CI K16	



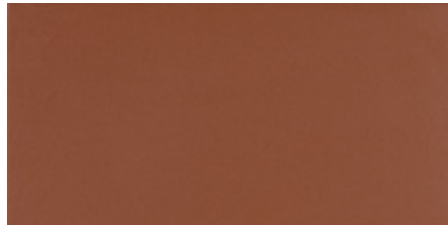
VERMELHO	Natural	CI	Satin
59.2x59.2x0.8 cm ret.	1065 K29	1065CI K30	1165 K34
39.2x39.2x0.8 cm ret.	1065 K24	1065CI K25	1165 K30
29.5x29.5x0.8 cm ret.	1065 K25	1065CI K26	1165 K30
40x40x0.8 cm	1065 K19	1065CI K20	
30x30x0.8 cm	1065 K12	1065CI K13	



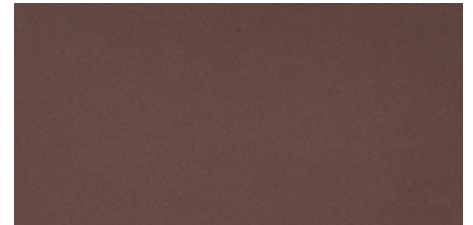
CASTANHO ESCURO	Natural	CI	Satin
59.2x59.2x0.8 cm ret.	1057 K31	1057CI K32	1157 K35
39.2x39.2x0.8 cm ret.	1057 K26	1057CI K28	1157 K32
29.5x29.5x0.8 cm ret.	1057 K27	1057CI K28	1157 K32
40x40x0.8 cm	1057 K22	1057CI K23	
30x30x0.8 cm	1057 K15	1057CI K16	



OURO	Natural	CI	Satin
29.5x59.2x0.8 cm ret.	1050 K26	1050CI K28	1150 K32
30x60x0.8 cm	1050 K22	1050CI K23	



VERMELHO	Natural	CI	Satin
29.5x59.2x0.8 cm ret.	1065 K24	1065CI K25	1165 K30
30x60x0.8 cm	1065 K20	1065CI K21	



CASTANHO ESCURO	Natural	CI	Satin
29.5x59.2x0.8 cm ret.	1057 K26	1057CI K28	1157 K32
30x60x0.8 cm	1057 K22	1057CI K23	



PRETO	Natural	CI	Satin
59.2x59.2x0.8 cm ret.	1030 K26	1030CI K27	1130 K30
39.2x39.2x0.8 cm ret.	1030 K22	1030CI K23	1130 K28
29.5x29.5x0.8 cm ret.	1030 K23	1030CI K24	1130 K28
40x40x0.8 cm	1030 K15	1030CI K16	
30x30x0.8 cm	1030 K10	1030CI K11	



NEGRO	Natural	CI	Satin
59.2x59.2x0.8 cm ret.	1032 K28	1032CI K29	1132 K32
39.2x39.2x0.8 cm ret.	1032 K23	1032CI K24	1132 K30
29.5x29.5x0.8 cm ret.	1032 K24	1032CI K25	1132 K30
40x40x0.8 cm	1032 K17	1032CI K18	
30x30x0.8 cm	1032 K11	1032CI K12	



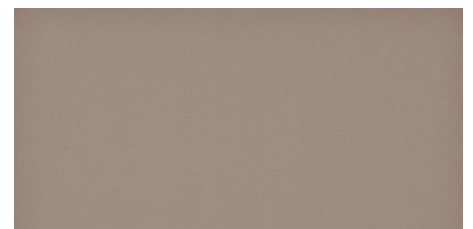
ALUMÍNIO	Natural	CI	Satin
59.2x59.2x0.8 cm ret.	1028 K28	1028CI K30	1128 K32
39.2x39.2x0.8 cm ret.	1028 K23	1028CI K24	1128 K30
29.5x29.5x0.8 cm ret.	1028 K24	1028CI K25	1128 K30
40x40x0.8 cm	1028 K17	1028CI K18	
30x30x0.8 cm	1028 K11	1028CI K12	



PRETO	Natural	CI	Satin
29.5x59.2x0.8 cm ret.	1030 K22	1030CI K23	1130 K28
30x60x0.8 cm	1030 K16	1030CI K17	



NEGRO	Natural	CI	Satin
29.5x59.2x0.8 cm ret.	1032 K23	1032CI K24	1132 K30
30x60x0.8 cm	1032 K18	1032CI K19	



ALUMÍNIO	Natural	CI	Satin
29.5x59.2x0.8 cm ret.	1028 K23	1028CI K24	1128 K30
30x60x0.8 cm	1028 K18	1028CI K19	

Residential

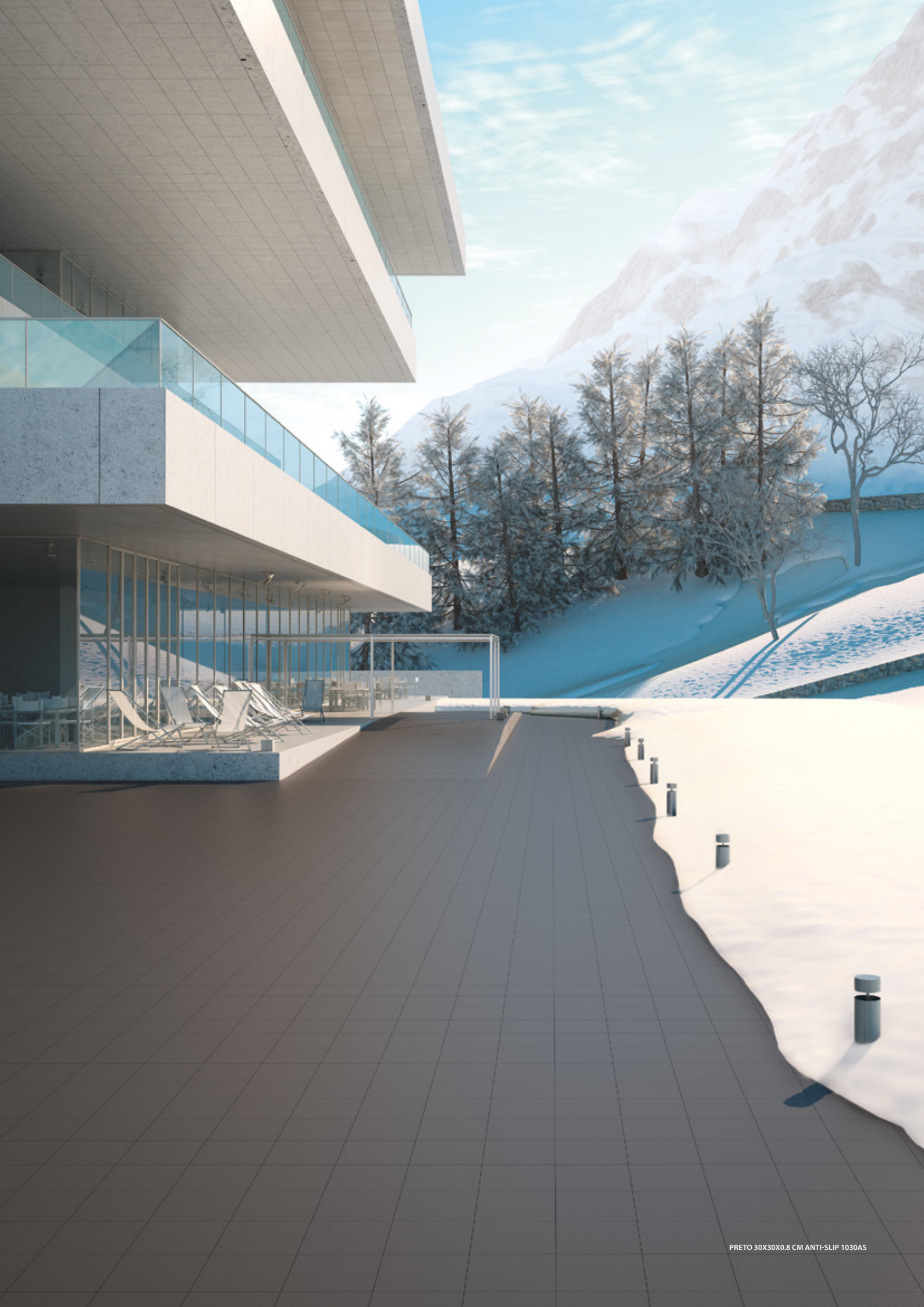
Extruded Porcelain Tiles
Porcelanato Extrudido · Gres Cérame Extré





WALL:
BEGE 29.5X59.2X0.45 CM RET. NATURAL 1035

FLOOR:
CASTANHO ESCURO 29.5X59.2X0.8 CM RET. NATURAL 1057
CASTANHO ESCURO 29.5X29.5X0.8 CM RET. NATURAL 1057



Terraces

The robustness, durability, frost resistance and thermal shock resistance of the floor and wall tiles of Keratec, combined with anti-slip features, make this range ideal for use in damp or outdoor areas, where security and superior resistance are a requirement.

The variety of formats and the harmony of colours, which combine perfectly with interior and facades ranges, enable a smooth transition between the various areas.

A robustez, a durabilidade, a resistência ao gelo e ao choque térmico dos pavimentos e revestimentos da Keratec, aliadas a características antiderrapantes fazem desta gama a solução ideal para aplicação em zonas húmidas ou exteriores onde a segurança e resistência superior são uma exigência.

A variedade de formatos e a harmonia das cores, que se conjugam na perfeição com as gamas de interior e de fachadas, permitem uma transição harmoniosa entre as várias áreas.

La puissance, la durabilité, la résistance au gel et aux chocs thermiques des carreaux de mur et de sol de Keratec, combinée avec des caractéristiques antidérapantes rendent cette gamme idéale pour une utilisation dans les zones humides ou à l'extérieur où la sécurité et la résistance supérieure sont une exigence.

La variété des formes et l'harmonie des couleurs, qui se combinent parfaitement avec les gammes de l'intérieur et des façades permettent une transition harmonieuse entre les différents espaces.

Terraces (0.8cm)

The anti-slip characteristics allied to the high robustness, durability and frost and thermal shock resistance, make this range the ideal solution for usage in damp or outdoor areas, namely, terraces, balconies and esplanades.

Terraços (0.8cm)

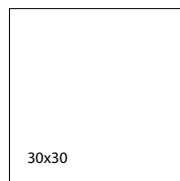
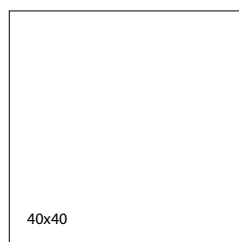
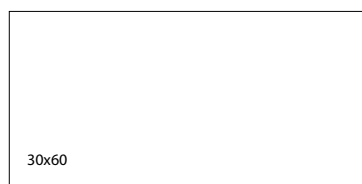
As características antiderrapantes aliadas à elevada robustez, durabilidade e resistência ao gelo e ao choque térmico fazem desta gama a solução ideal para aplicação em zonas húmidas ou exteriores, nomeadamente, terraços, varandas e esplanadas.

Terrasses (0.8cm)

Les caractéristiques antidérapantes combinées à haute résistance, la durabilité et la résistance au gel et aux chocs thermiques rendent cette gamme idéale pour une utilisation dans les zones humides ou extérieures, à savoir, terrasses, balcons et esplanades.

SIZES (cm)

FORMATOS . FORMATS

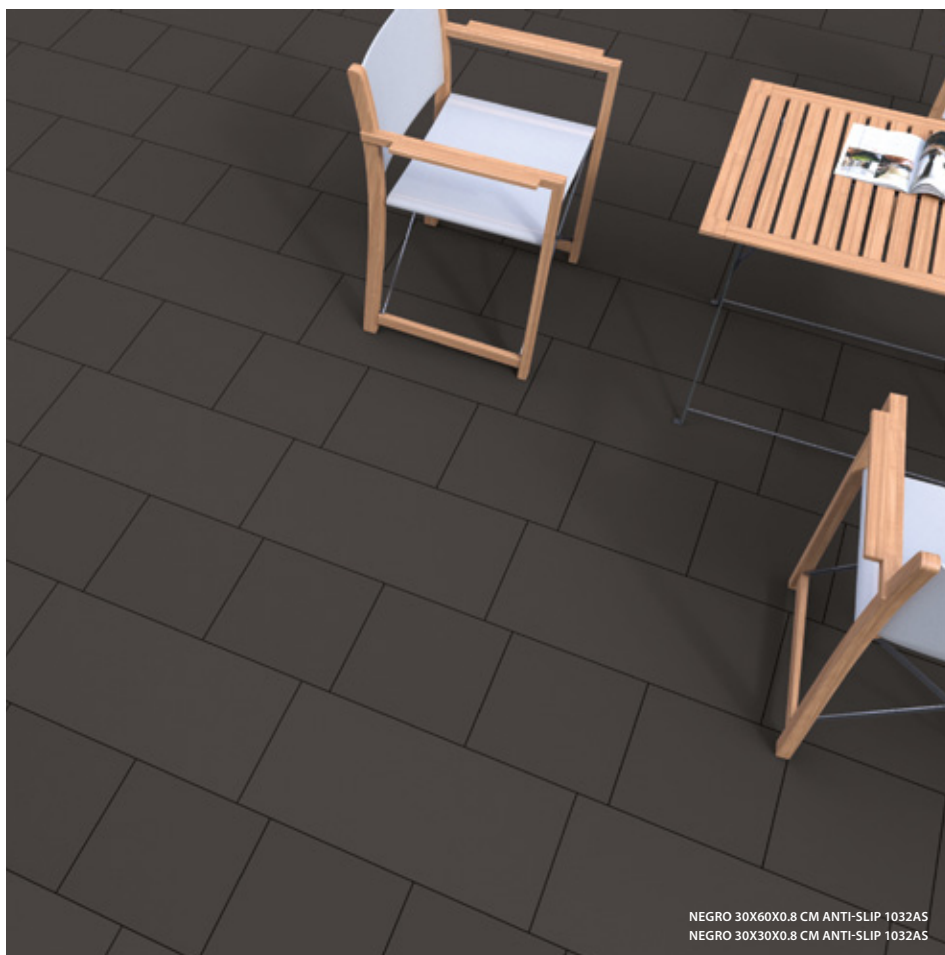


FINISHES

ACABAMENTOS . FINITIONS



ANTI-SLIP
DIN 51130: R11
DIN 51097: Class B
ENV 12633: Class 3



NEGRO 30X60X0.8 CM ANTI-SLIP 1032AS
NEGRO 30X30X0.8 CM ANTI-SLIP 1032AS



PRETO 30X30X0.8 CM ANTI-SLIP 1030AS

IPAM - INSTITUTO PORTUGUÊS DE ADMINISTRAÇÃO E MARKETING, PORTUGAL



ALUMÍNIO 30X30X0.8 CM ANTI-SLIP 1028AS

COLOURS CORES . COULEURS



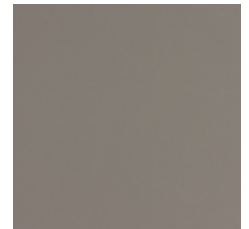
Pérola



Cinza Claro



Bege



Cinza Escuro



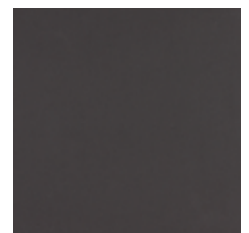
Ouro



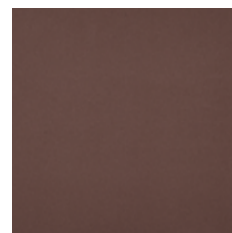
Preto



Vermelho



Negro



Castanho Escuro



Alumínio

Terraces

Extruded Porcelain Tiles
Porcelanato Extrudido · Gres C erame Extr e

Terraces (0.8cm)

Range of anti-slip products designed to meet the application needs in damp or outdoor areas, namely, terraces, balconies and esplanades.

The variety of formats and the harmony of colours, which combine perfectly with interior and facades ranges, enable a smooth transition between the various areas.

Terraos (0.8cm)

Gama de produtos antiderrapantes concebida para satisfazer as necessidades de aplicao em zonas h midas ou exteriores, nomeadamente, terraos, varandas e esplanadas.

A variedade de formatos e a harmonia das cores, que se conjugam na perfeio com as gamas de interior e de fachadas, permitem uma transio harmoniosa entre as v rias  reas.

Terrasses (0.8cm)

Gamme de produits antid rapants conus pour r pondre aux besoins de l'application dans les zones humides ou ext rieures,   savoir, terrasses, balcons et esplanades.

La vari t  des formats et l'harmonie des couleurs, qui se combinent parfaitement avec les gammes de l'int rieur et les faades permettent une harmonieuse transition entre les diff rentes zones.



P ROLA
30x60x0.8 cm

Anti-Slip
1014AS | K14



BEGE
30x60x0.8 cm

Anti-Slip
1035AS | K17



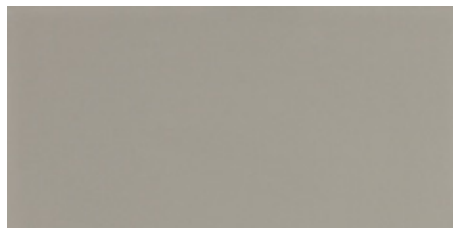
P ROLA
40x40x0.8 cm
30x30x0.8 cm

Anti-Slip
1014AS | K13
1014AS | K8



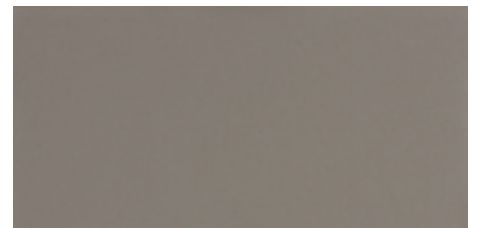
BEGE
40x40x0.8 cm
30x30x0.8 cm

Anti-Slip
1035AS | K16
1035AS | K11



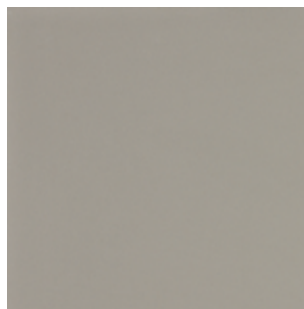
CINZA CLARO
30x60x0.8 cm

Anti-Slip
1020AS | K14



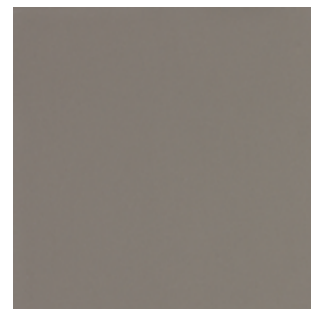
CINZA ESCURO
30x60x0.8 cm

Anti-Slip
1025AS | K14



CINZA CLARO
40x40x0.8 cm
30x30x0.8 cm

Anti-Slip
1020AS | K13
1020AS | K8



CINZA ESCURO
40x40x0.8 cm
30x30x0.8 cm

Anti-Slip
1025AS | K13
1025AS | K8

FULL
BODY



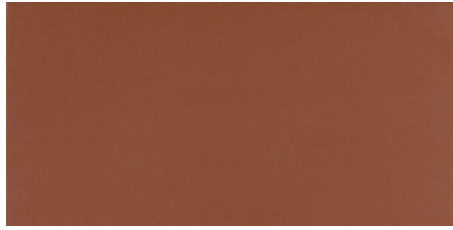
ANTI-SLIP
DIN 51130: R11
DIN 51097: CLASS B
ENV 12633: CLASS 3

Terraces



OURO
30x60x0.8 cm

Anti-Slip
1050AS | K23



VERMELHO
30x60x0.8 cm

Anti-Slip
1065AS | K21



CASTANHO ESCURO
30x60x0.8 cm

Anti-Slip
1057AS | K23



OURO
40x40x0.8 cm
30x30x0.8 cm

Anti-Slip
1050AS | K23
1050AS | K16



VERMELHO
40x40x0.8 cm
30x30x0.8 cm

Anti-Slip
1065AS | K20
1065AS | K13



CASTANHO ESCURO
40x40x0.8 cm
30x30x0.8 cm

Anti-Slip
1057AS | K23
1057AS | K16



PRETO
30x60x0.8 cm

Anti-Slip
1030AS | K17



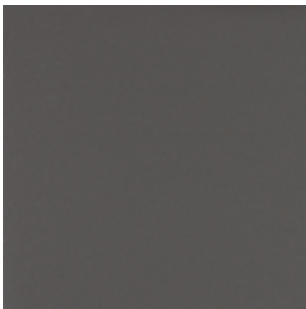
NEGRO
30x60x0.8 cm

Anti-Slip
1032AS | K19



ALUMÍNIO
30x60x0.8 cm

Anti-Slip
1028AS | K19



PRETO
40x40x0.8 cm
30x30x0.8 cm

Anti-Slip
1030AS | K16
1030AS | K11



NEGRO
40x40x0.8 cm
30x30x0.8 cm

Anti-Slip
1032AS | K18
1032AS | K12

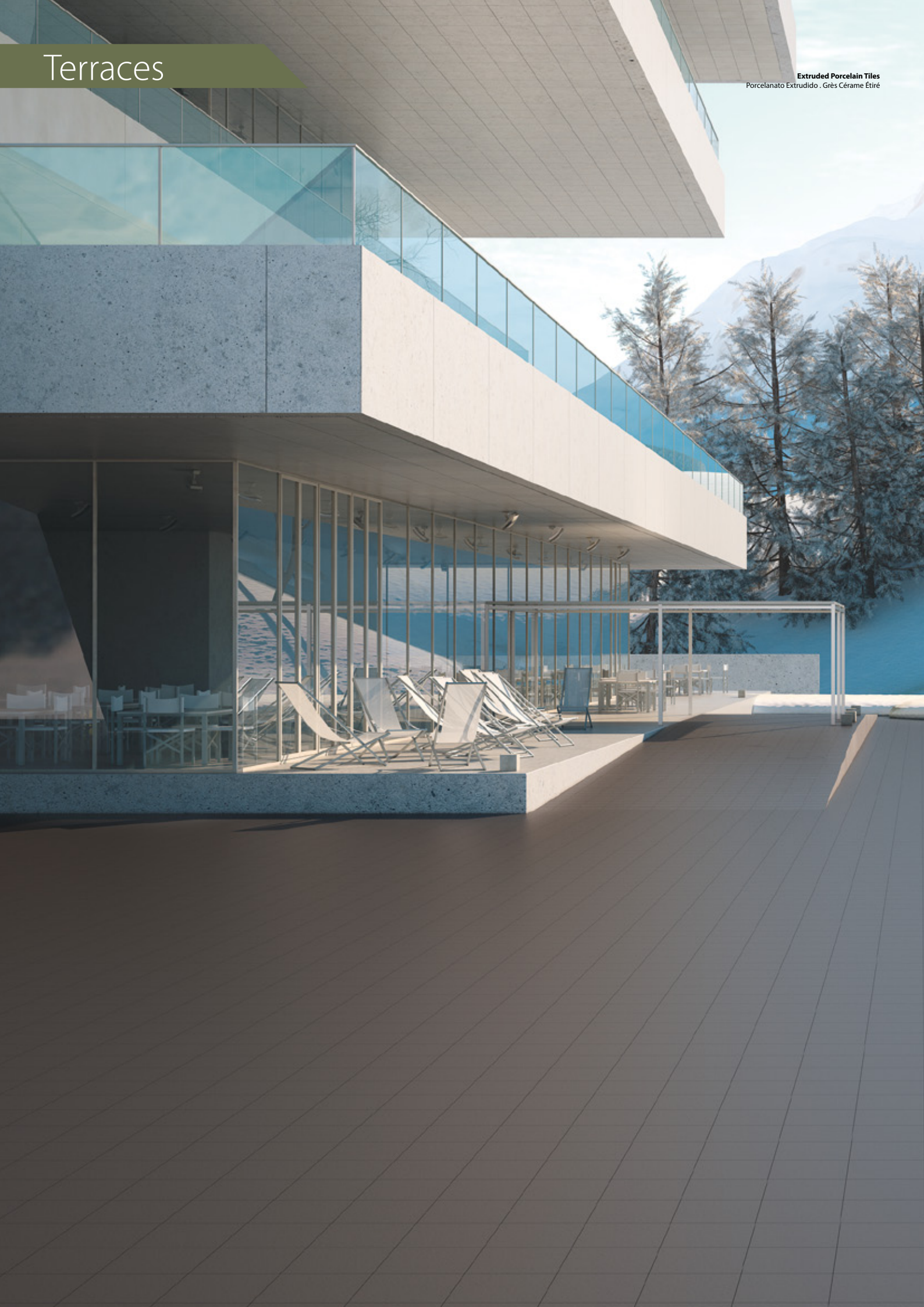


ALUMÍNIO
40x40x0.8 cm
30x30x0.8 cm

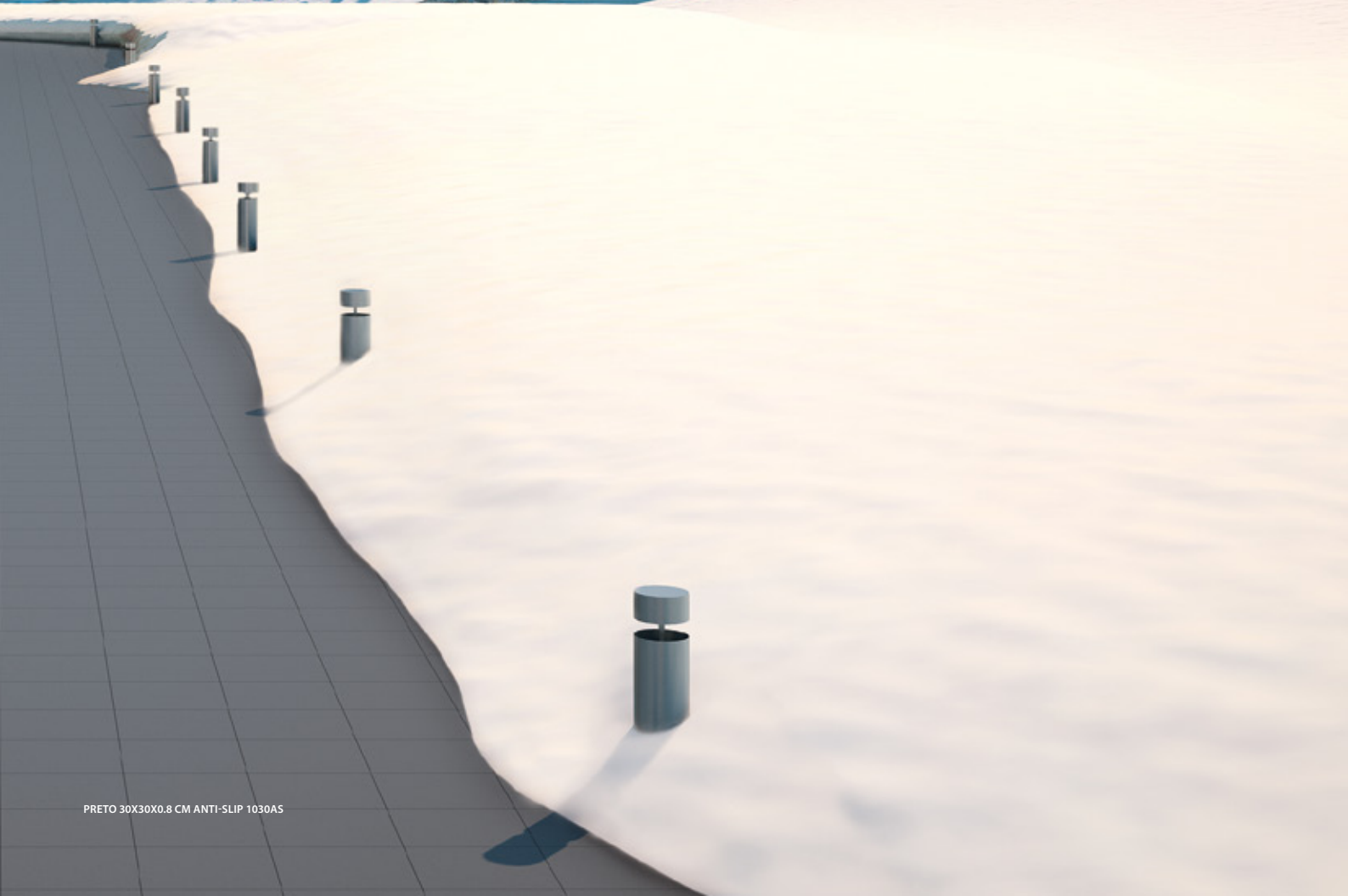
Anti-Slip
1028AS | K18
1028AS | K12

Terraces

Extruded Porcelain Tiles
Porcelanato Extrudido · Gres Cérame Extré



Terraces





Facades

In contemporary architecture, the façade, more than just an aesthetic issue, is also the skin that protects the building from the exterior. Thus, that choice influences the comfort, safety and energy consumption of the building. Therefore, Keratec has developed products capable of meeting the most diverse needs, both for glued facade systems as for ventilated ones.

Na arquitetura contemporânea, a fachada, mais do que uma simples questão estética, é também a pele que protege o edifício do exterior. Desta forma, a sua escolha influencia o conforto, a segurança e o consumo energético do mesmo. Assim, a Keratec desenvolveu produtos capazes de satisfazer as mais diversas necessidades, tanto para sistemas de fachadas coladas como para sistemas de fachadas ventiladas.

Dans l'architecture contemporaine, la façade, plus qu'une simple question esthétique, elle est également la peau qui protège l'extérieur du bâtiment. Ainsi, le choix influe sur le confort, la sécurité et la consommation d'énergie du même. Alors, Keratec a développé des produits capables de satisfaire les plus diverses exigences, tant pour les façades collées comme pour les systèmes de façade ventilées.

Glued Facade (0.45cm)

With a thickness of just 0.45cm, it is ideal for glued facade systems, allowing the application of ceramic pieces directly on the support, using, for that, suitable glues.

Fachadas Coladas (0.45cm)

Com apenas 0.45cm de espessura, é ideal para sistemas de fachadas coladas, permitindo a aplicação das peças cerâmicas diretamente sobre o suporte, usando para isso colas adequadas.

Façades Collées (0.45cm)

Avec seulement 0.45cm d'épaisseur, il est idéal pour les systèmes de façades collées, permettant l'application d'une céramique directement sur les pièces de support, en utilisant des colles appropriés.

SIZES (cm)

FORMATOS . FORMATS

29.5x88.8 ret.

FINISHES

ACABAMENTOS . FINITIONS



NATURAL
DIN 51130: R9
ENV 12633: Class 1

Ventilated Facade (1cm)

High performance range with 1cm of thickness, ideal for ventilated facade systems fixed on aluminium supports, enabling solutions of hidden or semi-hidden fixations.

Fachadas Ventiladas (1cm)

Gama de elevada performance com 1cm de espessura, ideal para sistemas de fachadas ventiladas de fixação ao suporte de alumínio, servindo soluções de fixação oculta ou semi-oculta.

Façades Ventilées (1cm)

Gamme de haute performance avec 1cm d'épaisseur, idéal pour les systèmes de façade ventilée de fixation à l'étrier en aluminium, servant des solutions de fixation caché ou semi-caché.

SIZES (cm)

FORMATOS . FORMATS

44.3x88.8 ret.

FINISHES

ACABAMENTOS . FINITIONS



NATURAL
DIN 51130: R9
ENV 12633: Class 1



COLOURS CORES . COULEURS



Pérola



Cinza Claro



Bege



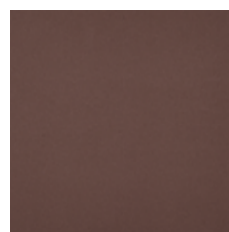
Cinza Escuro



Vermelho



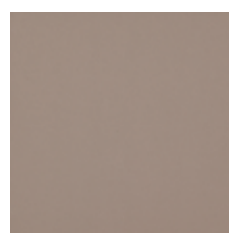
Preto



Castanho Escuro



Negro



Alumínio

Facades

Extruded Porcelain Tiles
Porcelanato Extrudido · Gres C erame Etir e

Glued Facade (0.45cm)

The robustness, resistance to thermal shock and dirtiness, allied to the innovative reduced thickness of this range of products, make it ideal for use in glued facade solutions. Their light weight allows for faster installation, while maintaining, nonetheless, all the advantages of a high performance covering.

Among the many advantages of this solution, we highlight the following:

- Greater efficiency in the renovation of facades;
- Thermal insulation;
- Energy savings;
- Economic savings;
- Protection of structural elements of the building.

Fachadas Coladas (0.45cm)

A robustez, a resist ncia ao choque t ermico e   sujeidade, aliadas   inovadora reduzida espessura desta gama de produtos tornam-na ideal para aplica o em solu o es de fachadas coladas. O seu reduzido peso permite uma maior rapidez de instala o mantendo contudo todas as vantagens de um revestimento de elevada performance.

Entre as diversas vantagens desta solu o , destacam-se as seguintes:

- Grande efic cia na renova o de fachadas;
- Isolamento t ermico;
- Poupan a energ tica;
- Poupan a econ mica;
- Prote o dos elementos estruturais do edif cio.

Fa ades Coll es (0.45cm)

La puissance, la r sistance aux chocs thermiques et la salet , combin es avec l'innovation de l' paisseur r duite dans cette gamme de produits le rendent id al pour application en solutions de fa ades coll es. Son poids r duit permet une installation plus rapide, en conservant tous les avantages d'un rev tement de haute performance.

Parmi les nombreux avantages de cette solution se d tachent les suivantes:

- Grande efficacit  dans la r novation des fa ades;
- Isolation thermique;
- Les  conomies d' nergie;
- Autres  conomies ;
- Protection des  l ments de structure du b timent.



BUILDING, PORTUGAL

FULL
BODY



PÉROLA

29.5x88.8x0.45 cm ret.

Natural

1014 | K31

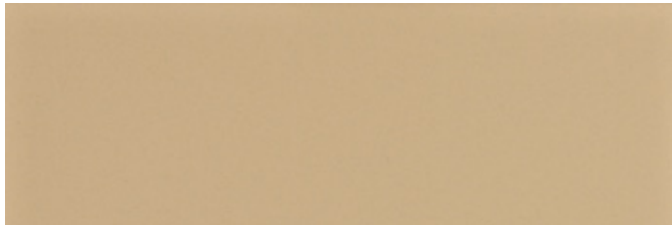


CINZA CLARO

29.5x88.8x0.45 cm ret.

Natural

1020 | K31

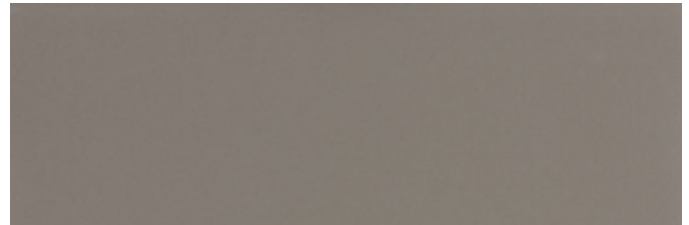


BEGE

29.5x88.8x0.45 cm ret.

Natural

1035 | K31

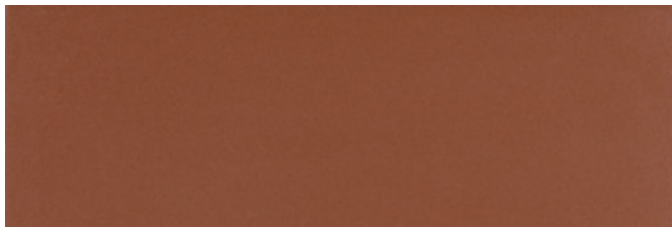


CINZA ESCURO

29.5x88.8x0.45 cm ret.

Natural

1025 | K31



VERMELHO

29.5x88.8x0.45 cm ret.

Natural

1065 | K32

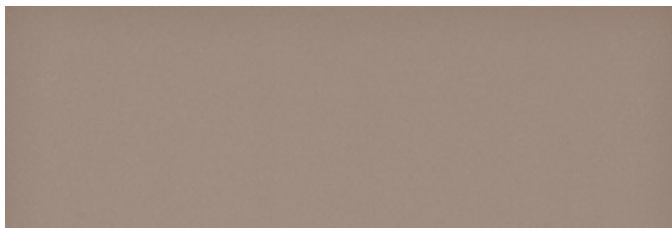


PRETO

29.5x88.8x0.45 cm ret.

Natural

1030 | K31



ALUMÍNIO

29.5x88.8x0.45 cm ret.

Natural

1028 | K31

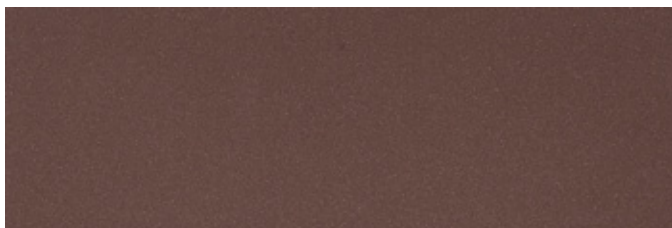


NEGRO

29.5x88.8x0.45 cm ret.

Natural

1032 | K31



CASTANHO ESCURO

29.5x88.8x0.45 cm ret.

Natural

1057 | K32





WALL:
ALUMÍNIO 29.5X88.8X0.45 CM RET. NATURAL 1028

FLOOR:
ALUMÍNIO 30X30X0.8 CM ANTI-SLIP 1028A5

Facades

Extruded Porcelain Tiles
Porcelanato Extrudido . Grés Cérame Étiré

Ventilated Façade (1cm)

The robustness, resistance to thermal shock and dirtiness, make this solution of 1cm thickness ideal for fixation on aluminium support, in ventilated facades, permitting its use both in hidden fixation solutions as in semi-hidden fixation ones.

The advantages of the ventilated façade systems, complemented with a high quality ceramic covering solution, are widely known, especially the following:

- Ideal for rehabilitations, due to the easy application over old coverings;
- Easy and fast execution at work site;
- Excellent thermal and acoustic insulation;
- Energy savings up to 40%;
- Protection of the structural elements of the building.

Fachadas Ventiladas (1cm)

A robustez, a resistência ao choque térmico e à sujidade, fazem desta solução de 1cm de espessura a solução ideal para fixação ao suporte de alumínio em sistemas de fachadas ventiladas, permitindo a sua aplicação tanto em soluções de fixação oculta como em soluções de fixação semi-oculta.

As vantagens dos sistemas de fachadas ventiladas, complementados com uma solução de revestimento cerâmico de elevada qualidade, são amplamente conhecidas, destacando-se as seguintes:

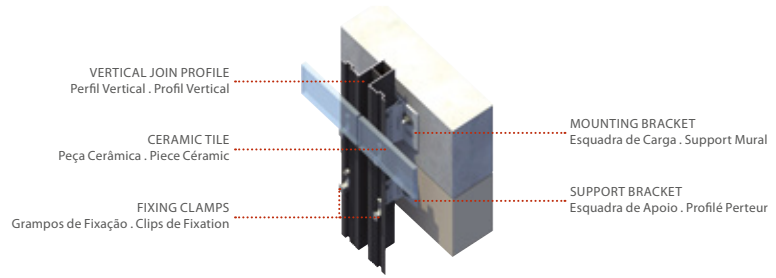
- Ideal para reabilitações, pela facilidade de colocação sobre revestimentos antigos;
- Fácil e rápida execução em obra;
- Excelente isolamento térmico e acústico;
- Poupança energética até 40%;
- Proteção dos elementos estruturais do edifício.

Façades Ventilées (1cm)

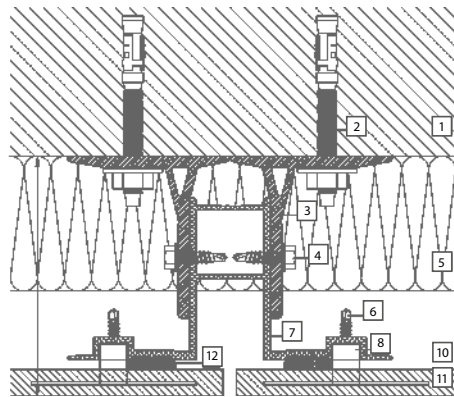
La puissance, la résistance aux chocs thermiques et la saleté, font de cette solution de 1cm d'épaisseur idéale pour la fixation sur le support en aluminium dans les systèmes de façade ventilée, ce qui permet son application dans les deux solutions de fixation cachée ou de solutions de fixation semi-cachée.

Les avantages des systèmes de façade ventilée complétées par une solution de carreaux de mur céramique de haute qualité sont largement connus, ou se détache les suivantes :

- Idéal pour les réhabilitations, par la facilité d'application sur les anciens carreaux de mur;
- Facile et rapide exécution du travail;
- Excellente isolation thermique et acoustique;
- Économies d'énergie jusqu'à 40%;
- Protection des éléments de structure du bâtiment.



HIDDEN FIXING FIXAÇÃO OCULTA . FIXATION CACHÉE

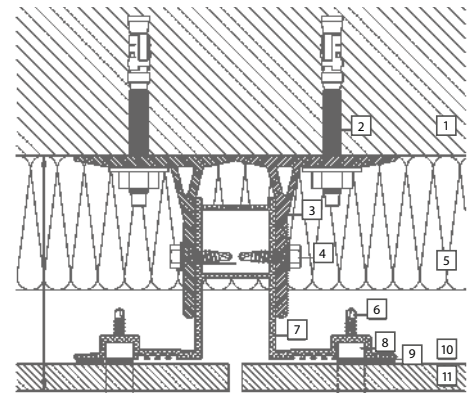


Uses internal clamps by making a small incision at the top of the ceramic tiles. In this case, we recommend the use of a chemical fixing agent as adjuvant.

Utiliza grampos interiores através da execução de uma pequena incisão no topo das peças cerâmicas. Neste caso, recomenda-se a utilização de uma fixação química como adjuvante.

Utilisez clips intérieurs en exécutant d'une petite incision dans la partie supérieure des pièces en céramique. Dans ce cas, il est recommandé d'utiliser une fixation chimique comme adjuvant.

SEMI-HIDDEN FIXING FIXAÇÃO SEMI-OCULTA . FIXATION SEMI-CACHÉE



The tile is applied with aluminium or stainless steel fixing clamps, and it is possible to lacquer the clamps with the same colour of the tile.

A cerâmica é aplicada através de grampos de suporte em alumínio ou inox, podendo os grampos ser lacados da mesma cor do revestimento.

La céramique est appliquée par le biais de clips de support en aluminium ou en acier inoxydable, les clips peuvent être teintés dans la même couleur du carreaux.

- | | |
|--|---|
| <p>1 CONCRETE WALL
PAREDE DE BETÃO
MUR EN BÉTON</p> <p>2 STAINLESS STEEL SPUR
ESPORÃO DE AÇO INOXIDÁVEL
EPERON EN ACIER INOXYDABLE</p> <p>3 ALUMINIUM SUPPORT BRACKET
CONSOLA DE APOIO EM ALUMÍNIO
CONSOLA DE SUPPORT EN ALUMINIUM</p> <p>4 STAINLESS STEEL SELF DRILL SCREW
PARAFUSO DE AUTOPERFURAÇÃO EM AÇO INOXIDÁVEL
VIS D'AUTO FORAGE EN ACIER INOXYDABLE</p> <p>5 SEMI-RIGID INSULATION
ISOLAMENTO SEMI-RÍGIDO
ISOLANT SEMI-RIGIDE</p> <p>6 STAINLESS STEEL SELF DRILL SCREW
PARAFUSO DE AUTOPERFURAÇÃO EM AÇO INOXIDÁVEL
VIS D'AUTO FORAGE EN ACIER INOXYDABLE</p> | <p>7 ALUMINIUM T PROFILE
PERFIL EM T DE ALUMÍNIO
PROFIL EN FORMAT «T» D'ALUMINIUM</p> <p>8 ALUMINIUM CLAMP
GRAMPO DE ALUMÍNIO
CLIP D'ALUMINIUM</p> <p>9 ADHESIVE / SPONGE
ADESIVO / ESPONJA
ADHÉSIF / ÉPONGE</p> <p>10 AIR LAYER
CAMADA DE AR
COUCHE D'AIR</p> <p>11 PORCELAIN TILES
PORCELANATO
GRÉS CÉRAME</p> <p>12 POLYURETANE
POLIURETANO
POLYURÉTHANE</p> |
|--|---|

FULL
BODY



PÉROLA

44.3x88.8x1 cm ret.

Natural

1014 | K31

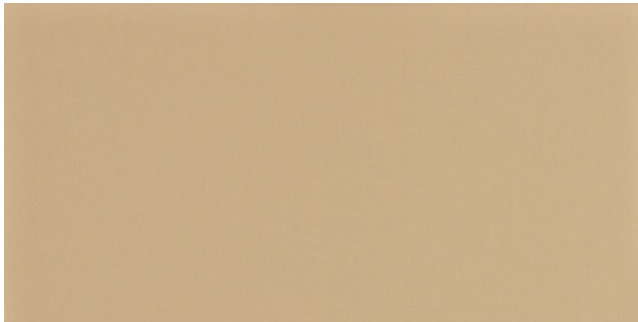


CINZA CLARO

44.3x88.8x1 cm ret.

Natural

1020 | K31

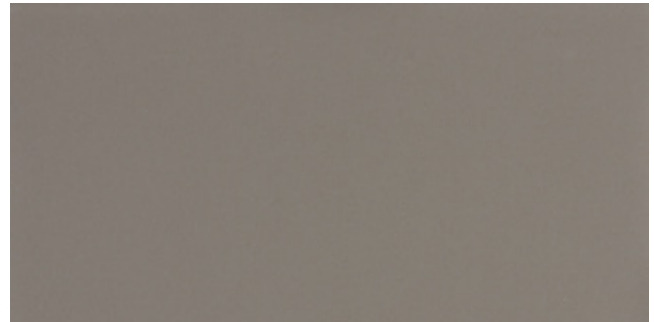


BEGE

44.3x88.8x1 cm ret.

Natural

1035 | K32

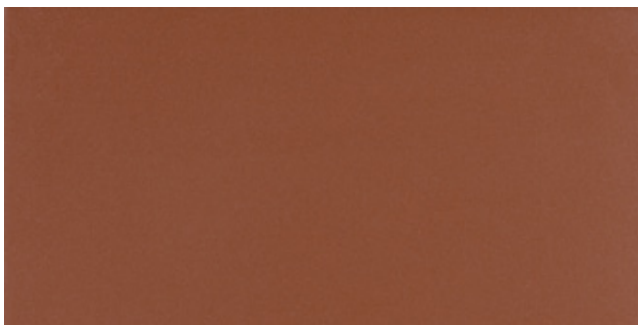


CINZA ESCURO

44.3x88.8x1 cm ret.

Natural

1025 | K31

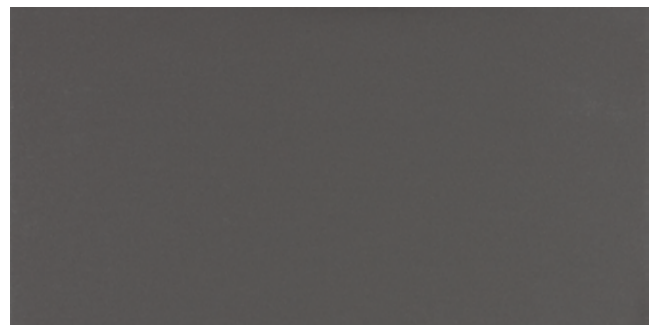


VERMELHO

44.3x88.8x1 cm ret.

Natural

1065 | K35

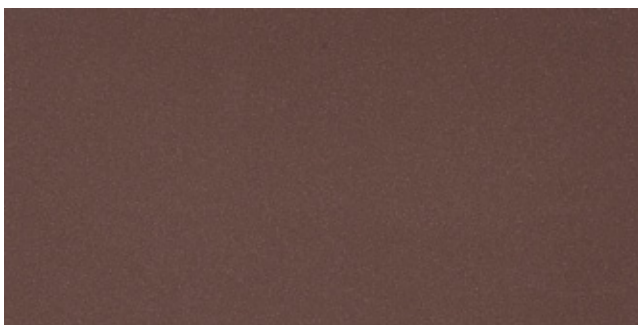


PRETO

44.3x88.8x1 cm ret.

Natural

1030 | K32



CASTANHO ESCURO

44.3x88.8x1 cm ret.

Natural

1057 | K36

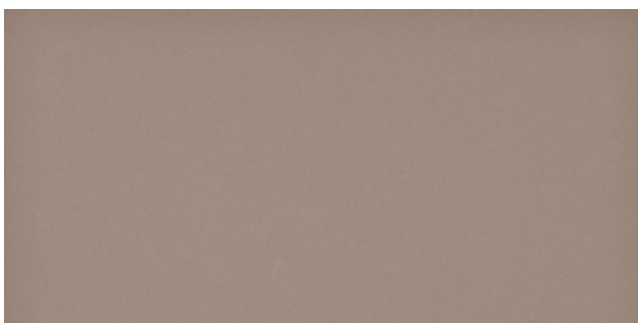


NEGRO

44.3x88.8x1 cm ret.

Natural

1032 | K33



ALUMÍNIO

44.3x88.8x1 cm ret.

Natural

1028 | K33

Facades

Extruded Porcelain Tiles
Porcelanato Extrudido · Gres Cérame Extrudido





WALL:
NEGRO 44.3X88.8X1 CM RET. NATURAL 1032

FLOOR:
NEGRO 30X60X0.8 CM ANTI-SLIP 1032AS
NEGRO 30X30X0.8 CM ANTI-SLIP 1032AS



High Traffic

In spaces of higher traffic the resistance to wear is a fundamental requirement.

The Keratec products made in unglazed full body porcelain, assure a high resistance to wear, for its hardness and homogeneous body, allied to a strong resistance to chemical agents and to stains, which allows a high longevity and facility of maintenance.

Available in five colours, three formats, two thicknesses and three surface finishes, this series offers variety in execution of specific projects.

Nos espaços de tráfego mais intenso a resistência ao desgaste é um requisito fundamental.

Os produtos Keratec produzidos em porcelanato não esmaltado toda a massa, asseguram uma elevada resistência ao desgaste pela sua dureza e corpo homogêneo, aliada a uma forte resistência a agentes químicos e manchas que proporcionam uma elevada longevidade e facilidade de manutenção.

Disponível em cinco cores, três formatos, duas espessuras e três acabamentos de superfície, esta série oferece variedade na realização de projetos específicos.

Dans les espaces de trafic plus intense, la résistance est cruciale.

Les produits Keratec en grés cérame pleine masse non émailler, assurent une résistance élevée à l'usure pour sa dureté et corps homogène, combinée à une forte résistance aux agents chimiques et aux taches qui offrent une grande longévité et facilité d'entretien.

Disponible en cinq couleurs, trois formats, deux épaisseurs et trois finitions de surface, cette série offre une variété dans la réalisation de projets spécifiques.

High Traffic (0.8cm & 1cm)

Range that is available in thicknesses of 0.8cm and 1cm, designed to serve higher traffic areas, where high resistance, durability and facility of maintenance are fundamental requirements.

Alto Tr fego (0.8cm & 1cm)

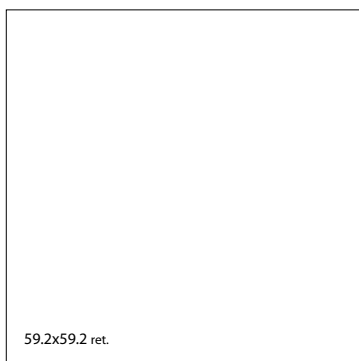
Gama dispon vel em espessuras de 0.8cm e de 1cm concebida para servir  reas de tr fego mais intenso onde a elevada resist ncia, durabilidade e f cil manuten o s o requisitos fundamentais.

Forte Circulation (0.8cm & 1cm)

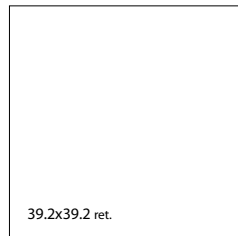
Gamme disponible en  paisseurs de 0.8cm et 1cm con us pour servir les zones de trafic plus intense o  la haute r sistance, durabilit  et facilit  d'entretien sont des exigences essentielles.

SIZES (cm)

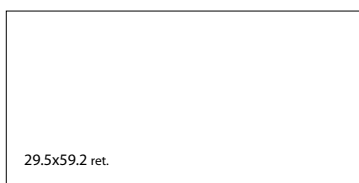
FORMATOS . FORMATS



59.2x59.2 ret.



39.2x39.2 ret.



29.5x59.2 ret.

FINISHES

ACABAMENTOS . FINITIONS



NATURAL
DIN 51130: R9
ENV 12633: Class 1



CI
DIN 51130: R10
DIN 51097: Class A
ENV 12633: Class 2



ANTI-SLIP
DIN 51130: R11
DIN 51097: Class B
ENV 12633: Class 3



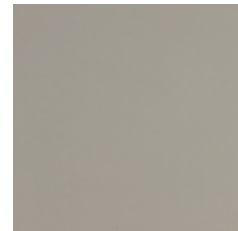
TOTAL - SERVICE STATION, PORTUGAL



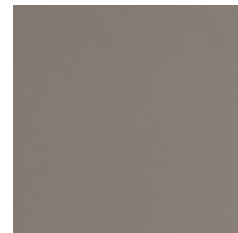
COLOURS CORES . COULEURS



Pérola



Cinza Claro



Cinza Escuro



Preto



Negro

High Traffic

Extruded Porcelain Tiles
Porcelanato Extrudido - Gres C erame Etir e

High Traffic (0.8cm & 1cm)

Due to its unique high wear resistance features combined with a strong resistance to stains and facility of maintenance, this range ensures a high longevity, being the ideal solution for high traffic areas, such as (among others):

- Public spaces;
- Commercial spaces;
- Airports and transport stations;
- Schools;
- Pedestrian routes;
- Hospitals and Pharmacies.

Alto Tr afego (0.8cm & 1cm)

Pelas suas caracter sticas  nicas de elevada resist ncia ao desgaste aliadas a uma forte resist ncia a manchas e facilidade de manuten  o, esta gama assegura uma elevada longevidade, sendo a solu  o ideal para espa os de tr afego intenso como, a t tulo de exemplo, (entre outros):

- Espa os p blicos;
- Espa os comerciais;
- Aeroportos e esta  es de transportes;
- Escolas;
- Vias pedonais;
- Hospitais e Farm cias.

Forte Circulation (0.8cm & 1cm)

En raison de ses caract ristiques uniques de haute r sistance   l'usure combin e   une forte r sistance aux taches et   la facilit  d'entretien, cette gamme assure une long vit   lev e,  tant la solution id ale pour les zones   fort trafic, tels que par exemple, (entre autres):

- Espaces publics;
- Espaces commerciaux;
- A roports et gares de transport;
-  coles;
- Voies p destres;
- H pitaux et Pharmacies.





NATURAL
DIN 51130: R9
ENF 12633: CLASS 1

CI
DIN 51130: R10
DIN 51097: CLASS A
ENF 12633: CLASS 2

ANTI-SLIP
DIN 51130: R11
DIN 51097: CLASS B
ENF 12633: CLASS 3

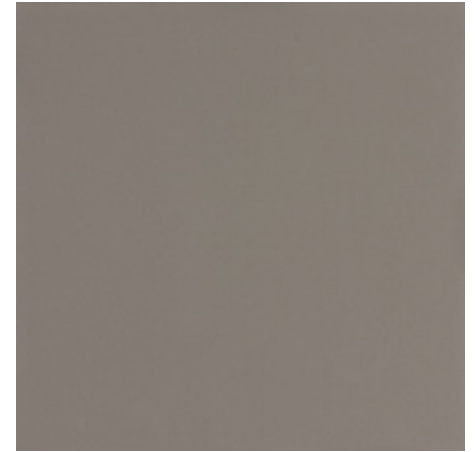
High Traffic



PÉROLA	Natural	CI	Anti-Slip
59.2x59.2x1 cm ret.	1014 K28	1014CI K29	1014AS K29
39.2x39.2x1 cm ret.	1014 K23	1014CI K24	1014AS K24
59.2x59.2x0.8 cm ret.	1014 K24	1014CI K25	1014AS K25
39.2x39.2x0.8 cm ret.	1014 K20	1014CI K21	1014AS K20



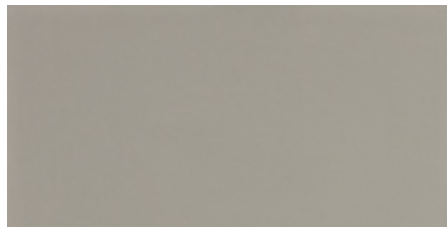
CINZA CLARO	Natural	CI	Anti-Slip
59.2x59.2x1 cm ret.	1020 K28	1020CI K29	1020AS K29
39.2x39.2x1 cm ret.	1020 K23	1020CI K24	1020AS K24
59.2x59.2x0.8 cm ret.	1020 K24	1020CI K25	1020AS K25
39.2x39.2x0.8 cm ret.	1020 K20	1020CI K21	1020AS K21



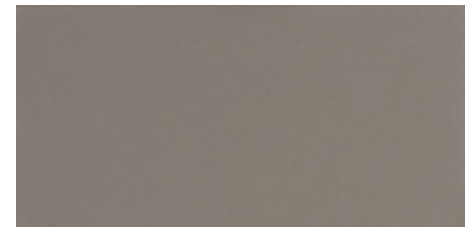
CINZA ESCURO	Natural	CI	Anti-Slip
59.2x59.2x1 cm ret.	1025 K28	1025CI K29	1025AS K29
39.2x39.2x1 cm ret.	1025 K23	1025CI K24	1025AS K24
59.2x59.2x0.8 cm ret.	1025 K24	1025CI K25	1025AS K25
39.2x39.2x0.8 cm ret.	1025 K20	1025CI K21	1025AS K21



PÉROLA	Natural	CI	Anti-Slip
29.5x59.2x1 cm ret.	1014 K23	1014CI K24	1014AS K24
29.5x59.2x0.8 cm ret.	1014 K20	1014CI K21	1014AS K21



CINZA CLARO	Natural	CI	Anti-Slip
29.5x59.2x1 cm ret.	1020 K23	1020CI K24	1020AS K24
29.5x59.2x0.8 cm ret.	1020 K20	1020CI K21	1020AS K21



CINZA ESCURO	Natural	CI	Anti-Slip
29.5x59.2x1 cm ret.	1025 K23	1025CI K24	1025AS K24
29.5x59.2x0.8 cm ret.	1025 K20	1025CI K21	1025AS K21



PRETO	Natural	CI	Anti-Slip
59.2x59.2x1 cm ret.	1030 K29	1030CI K30	1030AS K30
39.2x39.2x1 cm ret.	1030 K25	1030CI K26	1030AS K26
59.2x59.2x0.8 cm ret.	1030 K26	1030CI K27	1030AS K27
39.2x39.2x0.8 cm ret.	1030 K22	1030CI K23	1030AS K23



NEGRO	Natural	CI	Anti-Slip
59.2x59.2x1 cm ret.	1032 K30	1032CI K31	1032AS K31
39.2x39.2x1 cm ret.	1032 K26	1032CI K27	1032AS K27
59.2x59.2x0.8 cm ret.	1032 K28	1032CI K29	1032AS K29
39.2x39.2x0.8 cm ret.	1032 K23	1032CI K24	1032AS K24



PRETO	Natural	CI	Anti-Slip
29.5x59.2x1 cm ret.	1030 K25	1030CI K26	1030AS K26
29.5x59.2x0.8 cm ret.	1030 K22	1030CI K23	1030AS K23



NEGRO	Natural	CI	Anti-Slip
29.5x59.2x1 cm ret.	1032 K26	1032CI K27	1032AS K27
29.5x59.2x0.8 cm ret.	1032 K23	1032CI K24	1032AS K24



Heavy Traffic

The maximum robustness and mechanical resistance are fundamental requirements in areas with heavy load traffic and resistance to use in general.

Keratec has developed a range of solutions that are suitable for this sort of spaces, which, allied to its high resistance to stains and to chemical agents, are an unbeatable and perfect proposal for spaces such as parking lots, hypermarkets, transport interfaces, industry, laboratories, among others.

A máxima robustez e resistência mecânica são requisitos fundamentais em espaços com tráfego de cargas pesadas e resistência ao uso em geral.

A Keratec desenvolveu uma gama de soluções adequadas a este tipo de espaços que, aliada à sua elevada resistência às manchas e agentes químicos, constituem uma proposta imbatível e perfeita em espaços como parques de estacionamento, hipermercados, transportes, indústria, laboratórios, entre outros.

La puissance maximale et la résistance mécanique sont des exigences essentielles dans les zones avec des charges lourdes et la résistance à l'usure en générale.

Le Keratec a développé une gamme de solutions adaptées à ces espaces qui, avec sa haute résistance aux taches et aux produits chimiques, est une proposition imbattable et parfaite dans des espaces tels que les parkings, les supermarchés, les transports, l'industrie, les laboratoires, entre autres.

Heavy Traffic (1.2cm)

Range of 1.2cm of thickness that combines high robustness with high resistance to stains and chemical agents, being suitable for more demanding areas with traffic and movement of heavy load and / or high resistance in general.

Tráfego Intenso (1.2cm)

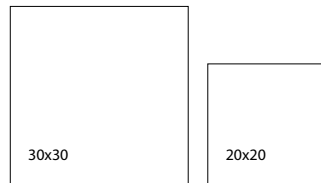
Gama de 1.2cm de espessura que alia elevada robustez à alta resistência a manchas e agentes químicos, sendo adequada para áreas mais exigentes com tráfego e movimentação de cargas pesadas e/ou elevada resistência em geral.

Circulation Dense (1.2cm)

Gamme de 1.2cm d'épaisseur qui combine haute puissance avec une haute résistance aux taches et aux produits chimiques, est adapté pour les zones les plus exigeantes avec le trafic et la circulation des charges lourdes et/ou haute résistance en général.

SIZES (cm)

FORMATOS . FORMATS



FINISHES

ACABAMENTOS . FINITIONS



NATURAL
DIN 51130: R9
ENV 12633: Class 1



CI
DIN 51130: R10
DIN 51097: Class A
ENV 12633: Class 2



TEXTURED CI
DIN 51130: R12
DIN 51097: Class B
ENV 12633: Class 3



DRAINAGE TEXTURED
DIN 51130: R12-V6
DIN 51097: Class C
ENV 12633: Class 3

Kerabaille (1.2cm)

Solution of tactile pavement complement, which enables the creation of a practical guidance system for the blind and visually impaired, thanks to a set of scientifically studied and widely internationally used reliefs .

Kerabaille (1.2cm)

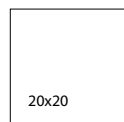
Solução de complemento podotáctil, que permite a criação de um sistema prático de orientação para cegos e amblíopes, graças a um conjunto de relevos cientificamente estudados e de ampla utilização internacional.

Kerabaille (1.2cm)

Solution complémentaire podotáctil qui permet la création d'un système d'orientation pratique pour les personnes aveugles et amblyopes, grâce à un ensemble de reliefs scientifiquement étudiée et de large utilisation internationale.

SIZES (cm)

FORMATOS . FORMATS



FINISHES

ACABAMENTOS . FINITIONS



CI
DIN 51130: R10
DIN 51097: Class A
ENV 12633: Class 2



KERABAILLE
DIN 51130: R10-V10
DIN 51097: Class A
ENV 12633: Class 2

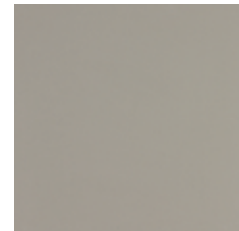


NUTRE FOODS (NUTRE INDÚSTRIAS ALIMENTARES, SA) FACTORY, PORTUGAL

COLOURS CORES . COULEURS



Pérola

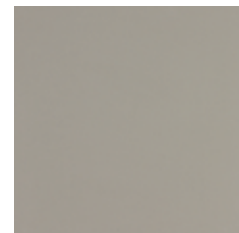


Cinza Claro



KERABRAILLE SYSTEM

COLOURS CORES . COULEURS



Cinza Claro



Ouro

Heavy Traffic

Extruded Porcelain Tiles
Porcelanato Extrudido - Gres Cérame Étiré

Heavy Traffic (1.2cm)

Solution of maximum robustness and mechanical resistance that offers high resistance to stains and chemical agents, especially suitable for the most demanding spaces in terms of support of heavy loads and of resistance to use in general (for example, parking lots, supermarkets, transport interfaces, industry, laboratories, etc.).

It has two base formats, with a thickness of 1.2cm, and offers various types of finishes that meet the specific needs depending on the type of use and foreseen level of security (natural, textured, and textured radial drainage).

Tráfego Intenso (1.2cm)

Solução de máxima robustez e resistência mecânica que oferece elevada resistência a manchas e agentes químicos, especialmente adequada para espaços mais exigentes em termos de suporte a cargas pesadas e resistência ao uso em geral (ex: parques de estacionamento, hipermercados, transportes, indústria, laboratórios, etc.).

Dispõe de dois formatos base, com espessura de 1.2cm, e oferece diversos tipos de acabamento que permitem responder a necessidades específicas consoante o tipo de utilização e nível de segurança prospetivado (natural, texturado, drenante radial texturado).

Circulation Dense (1.2cm)

Solution de force maximale et résistance mécanique qui offre une haute résistance aux taches et aux agents chimiques, particulièrement adapté pour les zones les plus exigeantes en termes de support de lourdes charges et à l'usure, en général (par exemple, parkings, supermarchés, transports, industrie, laboratoires, etc.).

Dispose de deux formats de base, avec une épaisseur de 1.2cm, et propose différents types de finition qui répondent à des besoins spécifiques en fonction du type d'utilisation et le niveau de sécurité prévu (naturel, texturé, drainant radial texturé).

THICKNESS

ESPESSURA . ÉPAISSEUR



Other thicknesses (0.6cm, 0.7cm, 1.4cm and 1.6cm) can be produced under certain conditions.

Outras espessuras (0.6cm, 0.7cm, 1.4cm e 1.6cm) poderão ser produzidas mediante condições especiais.

D'autres épaisseurs (0.6cm, 0.7cm, 1.4cm et 1.6cm) peuvent être produits avec des conditions spéciales.



PÉROLA Natural CI
30x30x1.2 cm 1014 | K18 1014CI | K19
20x20x1.2 cm 1014 | K18 1014CI | K19



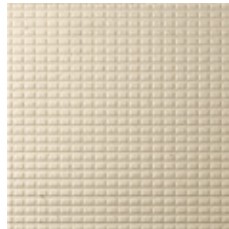
CINZA CLARO Natural CI
30x30x1.2 cm 1020 | K18 1020CI | K19
20x20x1.2 cm 1020 | K18 1020CI | K19



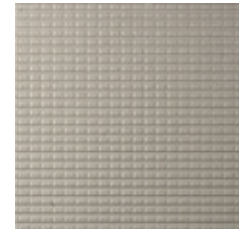
PÉROLA Textured CI
30x30x1.2 cm 1514CI | K19
20x20x1.2 cm 1514CI | K19



CINZA CLARO Textured CI
30x30x1.2 cm 1520CI | K19
20x20x1.2 cm 1520CI | K19



PÉROLA Drainage Textured
30x30x1.2 cm 1914 | K26
20x20x1.2 cm 1914 | K26



CINZA CLARO Drainage Textured
30x30x1.2 cm 1920 | K26
20x20x1.2 cm 1920 | K26



INDUSTRIAL KITCHEN, PORTUGAL

FULL
BODY



1.2 CM



NATURAL
DIN 51130: R9
ENVI 12633: CLASS 1

CI
DIN 51130: R10
DIN 51097: CLASS A
ENVI 12633: CLASS 2

TEXTURED CI
DIN 51130: R12
DIN 51097: CLASS B
ENVI 12633: CLASS 3

DRAINAGE TEXTURED
DIN 51130: R12-V6
DIN 51097: CLASS C
ENVI 12633: CLASS 3

Heavy Traffic



Heavy Traffic

Extruded Porcelain Tiles
Porcelanato Extrudido - Gres Cérame Étiré

Kerabaille (1.2cm)

The constant concern in the search for a higher quality of life is one of the incentives of Keratec for the investigation and development of exclusive design, creating solutions that have as purpose making buildings, public spaces and transport interfaces more accessible for all.

This complementary range offers a solution of tactile pavement, and is a practical guidance system for the blind and the visually impaired, with different scientifically studied reliefs, and that correspond to objective information and to coordinates that lead the blind and visually impaired in safety to any part of the city or town, being also widely used in transport interfaces.

Kerabaille (1.2cm)

A preocupação permanente em busca de uma maior qualidade de vida é um dos motores da Keratec para a investigação e desenvolvimento de design exclusivo, criando soluções com o objetivo de tornar os edifícios, os espaços públicos e os transportes mais acessíveis a todos.

Esta gama complementar oferece uma solução podotáctil, constituindo um sistema prático de orientação para cegos e amblíopes, com diferentes relevos cientificamente estudados e que correspondem a uma informação objetiva e a coordenadas que conduzem os cegos e amblíopes a qualquer parte de uma cidade ou vila em segurança, sendo também amplamente utilizado em interfaces de transportes.

Kerabaille (1.2cm)

La préoccupation constante à la recherche d'une meilleure qualité de vie est l'un des moteurs de Keratec pour la recherche et le développement de design unique, création de solutions avec l'objectif de rendre les bâtiments, les espaces publics et les transports plus accessible à tous.

Cette gamme complémentaire offre une solution podotactile, fournissant un système d'orientation pratique pour les aveugles et les malvoyants, avec des reliefs scientifiquement étudiés et correspondent à des informations objectives, les coordonnées qui mènent les aveugles et les malvoyants partout d'une ville ou cité en sécurité, également largement utilisé dans les interfaces de transport.



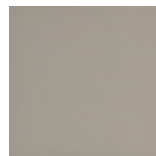
**KERABAILLE - CAUTION
LINE CI**

20x20x1.2 cm LC20 | K34



**KERABAILLE - GUIDE
LINE CI**

20x20x1.2 cm LG20 | K34



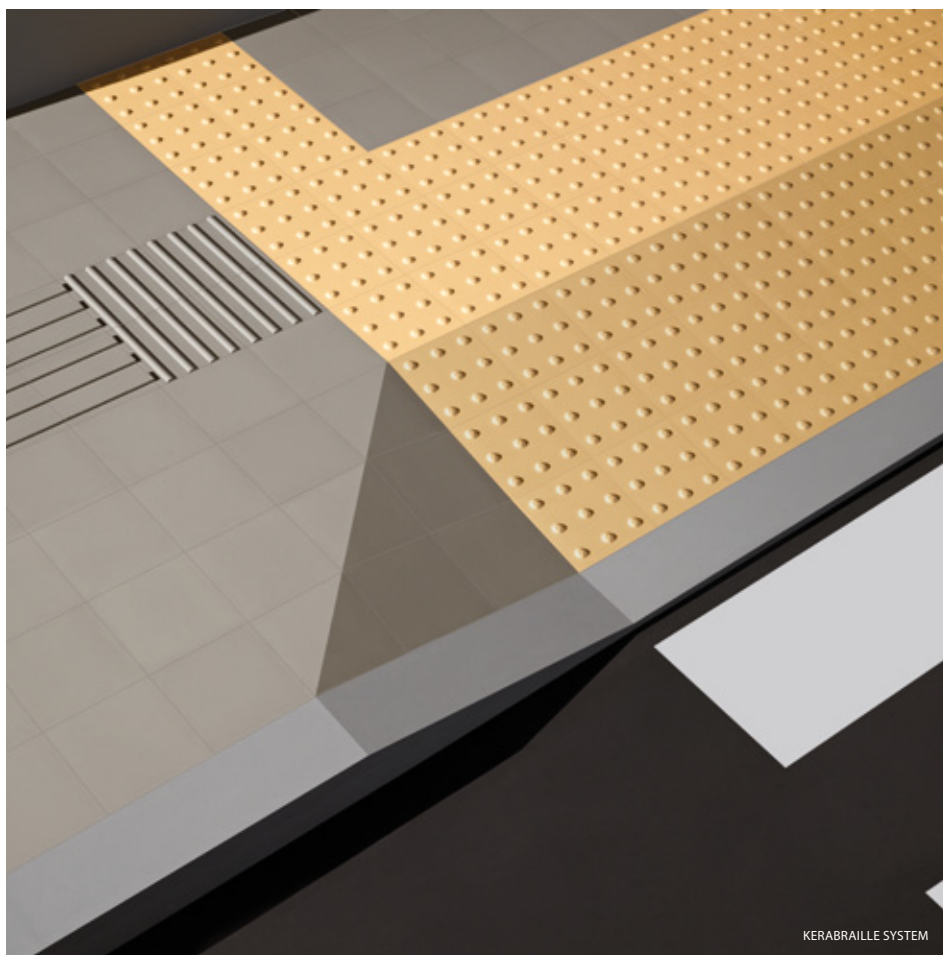
**KERABAILLE - CHANGE
OF DIRECTION CI**

20x20x1.2 cm 1020CI
(MD20) | K19



**KERABAILLE - SAFETY
LINE CI**

20x20x1.2 cm LS50 | K34



KERABAILLE SYSTEM

FULL
BODY



1.2 CM



CI
DIN 51130: R10
DIN 51097: CLASS A
ENV 12633: CLASS 2

KERABRAILLE
DIN 51130: R10-V10
DIN 51097: CLASS A
ENV 12633: CLASS 2

Heavy Traffic



KERABRAILLE SYSTEM

Technical Information

Informação Técnica
Informations Techniques



EXTRUDED PORCELAIN TILES . PORCELANATO EXTRUDIDO . GRÈS CÉRAMÉ ÉTIRÉ

FEATURES CARACTERÍSTICAS CARACTÉRISTIQUES	NORM NORMA NORME	SPECIFICATION EN 14411 GROUP Ala - UGL ESPECIFICAÇÃO EN 14411 GRUPO Ala - UGL SPÉCIFICATION EN 14411 GROUPE Ala - UGL		ALELUIA SPECIFICATION ESPECIFICAÇÃO SPÉCIFICATION		
		< 7.5 mm	≥ 7.5 mm	< 7.5 mm	≥ 7.5 mm	≥ 12 mm
 SIZE TOLERANCE (%) TOLERÂNCIAS DIMENSIONAIS (%) . TOLÉRANCES DIMENSIONNELLES (%) THICKNESS (%) ESPESSURA (%) . ÉPAISSEUR (%) RECTILINEARITY (%) RETLINEARIDADE (%) . RECTILINÉARITÉ (%) ORTHOGONALITY (%) ORTOGONALIDADE (%) . ORTHOGONALITÉ (%) FLATNESS PLANARIDADE PLANARITÉ CENTRAL CURVATURE (%) CURVATURA CENTRAL (%) . COURBURE CENTRALE (%) LATERAL CURVATURE (%) CURVATURA LATERAL (%) . COURBURE LATÉRALE (%) DIAGONAL DEFLECTION (%) FLECHA À DIAGONAL (%) . LA FLECHA DIAGONAL (%) SURFACE APPEARANCE ASPETO DA SUPERFÍCIE . ASPECT DE SURFACE	EN ISO 10545-2	± 1		± 1		
		± 10		± 10		
		± 0,5		± 0,5		
		± 1		± 1		
		± 0,5		± 0,2		
		± 0,5		± 0,2		
		± 0,8		± 0,25		
≥ 95		≥ 95				
 WATER ABSORPTION (%) ABSORÇÃO DE ÁGUA (%) . ABSORPTION D'EAU (%)	EN ISO 10545-3	≤ 0,5		≤ 0,1		
 MODULUS OF RUPTURE (N / MM ²) MÓDULO DE RUTURA (N / MM ²) . MODULE DE RUPTURE (N / MM ²)	EN ISO 10545-4	≥ 28		≥ 28	≥ 30	≥ 35
 FLEXION RESISTANCE (N) RESISTÊNCIA À FLEXÃO (N) . RÉSISTANCE À LA FLEXION (N)	EN ISO 10545-4	≥ 600	≥ 1300	(1)	≥ 1500	≥ 4000
 THERMAL SHOCK RESISTANCE RESISTÊNCIA AO CHOQUE TÉRMICO . RÉSISTANCE AUX ÉCARTS DE TEMPÉRATURE	EN ISO 10545-9	WHEN REQUIRED QUANDO EXIGIDA . QUAND EXIGÉE		IN ACCORDANCE CONFORME . SELON LE CAS		
STAIN RESISTANCE RESISTÊNCIA ÀS MANCHAS . RÉSISTANCE AUX TÂCHES	EN ISO 10545-14	(a)		≥ 3		
 CHEMICAL RESISTANCE RESISTÊNCIA QUÍMICA RÉSISTANCE AUX AGENTS CHIMIQUES HOUSEHOLD DETERGENTS DETERGENTES DOMÉSTICOS . DÉTERGENTS DOMESTIQUES ADDITIVES FOR POOLS ADITIVOS PARA PISCINAS . ADITIFS POUR PISCINES ACIDS ÁCIDOS . ACIDES BASES BASES . BASES	EN ISO 10545-13	≥ CLASS UB ≥ CLASSE UB . ≥ CLASSE UB		CLASS UA CLASSE UA . CLASSE UA		
		≥ CLASS UB ≥ CLASSE UB . ≥ CLASSE UB		CLASS UA CLASSE UA . CLASSE UA		
		(a)		CLASS UHA (b) CLASSE UHA (b) . CLASSE UHA (b)		
		(a)		CLASS UHA (b) CLASSE UHA (b) . CLASSE UHA (b)		
 RESISTANCE TO ABRASION (MM ³) RESISTÊNCIA À ABRASÃO (MM ³) . RÉSISTANCE À L'ABRASION (MM ³)	EN ISO 10545-6	≤ 275		≤ 150		
 SUPERFICIAL HARDNESS (MOHS SCALE) DUREZA SUPERFICIAL (ESCALA MOHS) . DURETÉ DE SURFACE (ÉCHELLE DE MOHS)	EN 101	-		≥ 7		
 FROST RESISTANCE RESISTÊNCIA AO GELO . RÉSISTANCE AU GEL	EN ISO 10545-12	REQUIRED EXIGIDA . NÉCESSAIRE		IN ACCORDANCE CONFORME . SELON LE CAS		
 RESISTANCE TO SLIPPING RESISTÊNCIA AO ESCORREGAMENTO . RÉSISTANCE AU GLISSEMENT	DIN 51130	(a)		PRODUCT TO PRODUCT PRODUTO A PRODUTO . PRODUIT A PRODUIT		
 RESISTANCE TO SLIPPING RESISTÊNCIA AO ESCORREGAMENTO . RÉSISTANCE AU GLISSEMENT	DIN 51097	(a)		PRODUCT TO PRODUCT PRODUTO A PRODUTO . PRODUIT A PRODUIT		
 RESISTANCE TO SLIPPING RESISTÊNCIA AO ESCORREGAMENTO . RÉSISTANCE AU GLISSEMENT	ENV 12633	(a)		PRODUCT TO PRODUCT PRODUTO A PRODUTO . PRODUIT A PRODUIT		
 IMPACT RESISTANCE RESISTÊNCIA AO IMPACTO . RÉSISTANCE AUX CHOCS	EN ISO 10545-5	TEST AVAILABLE ENSAIO DISPONÍVEL . ESSAI DISPONIBLE		IN ACCORDANCE CONFORME . SELON LE CAS		
 LINEAR THERMIC EXPANSION COEFFICIENT (100°C) COEFICIENTE DE DILATAÇÃO TÉRMICA LINEAR (100°C) COEFFICIENT DE DILATATION THERMIQUE LINEAIRE (100°C)	EN ISO 10545-8	TEST AVAILABLE ENSAIO DISPONÍVEL . ESSAI DISPONIBLE		<9X10 ⁻⁶ K ⁻¹		

(A)
TO BE INDICATED BY THE MANUFACTURER.
A INDICAR PELO FABRICANTE.
À PRÉCISER PAR LE FABRICANT.

(B)
H - HIGH CONCENTRATION.
H - ALTA CONCENTRAÇÃO.
H - HAUTE CONCENTRATION.

(1)
ACCORDING TO THE REQUIREMENT OF CAHIERS DU CSTB - ≥ 400N AND <600N
CONFORME REQUISITO DO CAHIERS DU CSTB - ≥ 400N E <600N
COMME EXIGENCE DES CAHIERS DU CSTB - ≥ 400N ET <600N

IN AREAS WHERE THERE IS RISK OF SLIPPING, THE APPLICATION OF CERAMIC SERIES ANTI-DERRAP. MATERIAL WITH STRUCTURED SURFACES SIGNIFICANTLY REDUCES THE RISK.

THE INDICATORS USED FOR SLIP MEASUREMENT ARE BRIEFLY DESCRIBED BELOW:



R - THE TILT ANGLE REACHED DURING THE SLIP RESISTANCE TEST. CLASSIFICATION ACCORDING TO DIN51130.



A, B, C - INDICATORS OF SLIP RESISTANCE IN WET AREAS WHERE PEOPLE WALK BAREFOOT (C = MAXIMUM SLIP FORESEEN). CLASSIFICATION ACCORDING TO DIN51097.



1, 2, 3 - CLASSIFICATION OF THE SLIP RESISTANCE VALUE (RD) ACCORDING TO THE PENDULUM METHOD. CLASSIFICATION ACCORDING TO ENV12633.



V - THE DRAINING VOLUME CALCULATED FROM THE SURFACE'S RELIEF PATTERN. CLASSIFICATION ACCORDING TO DIN 51130.

EM ZONAS DE RISCO DE ESCORREGAMENTO, A APLICAÇÃO DE MATERIAL ANTIDERRAPANTE DAS SÉRIES CERAMIC COM SUPERFÍCIES ESTRUTURADAS REDUZEM SIGNIFICATIVAMENTE O RISCO.

DE SEGUIDA APRESENTAMOS SUMARIAMENTE OS INDICADORES USADOS NA MEDIDA DO ESCORREGAMENTO:

R - O ÂNGULO DE INCLINAÇÃO Atingido durante o teste de resistência ao escorregamento. CLASSIFICAÇÃO SEGUNDO A NORMA DIN51130.

A, B, C - INDICADORES DE RESISTÊNCIA AO ESCORREGAMENTO EM ZONAS MOLHADAS ONDE SE ANDE DESCALÇO (C= MÁXIMO DE ESCORREGAMENTO PREVISTO). CLASSIFICAÇÃO SEGUNDO A NORMA DIN51097.

1, 2, 3 - CLASSIFICAÇÃO DO VALOR DA RESISTÊNCIA AO DESLIZAMENTO (RD) SEGUNDO O MÉTODO DO PÊNDELO. CLASSIFICAÇÃO SEGUNDO A NORMA ENV12633.

V - O VOLUME DE ESCOAMENTO CALCULADO A PARTIR DO PADRÃO DE RELEVO DA SUPERFÍCIE. CLASSIFICAÇÃO SEGUNDO A NORMA DIN51130.

DANS LES ZONES OÙ IL Y A LE RISQUE DE GLISSEMENT, L'APPLICATION DU MATÉRIEL ANTIDÉRAPANT DES SÉRIES CERAMIC AVEC DES SURFACES STRUCTURÉES RÉDUIT SUBSTANTIELLEMENT LE RISQUE.

ENSUITE ON PRÉSENTE BRIÈVEMENT LES INDICATEURS UTILISÉS DANS LA MESURE DU GLISSEMENT:

R - L'ANGLE D'INCLINAISON ATTEINT PENDANT LE TESTE DE RÉSISTANCE AU GLISSEMENT. CLASSIFICATION SELON LA NORME DIN51130.

A, B, C - INDICATEURS DE LA RÉSISTANCE AU GLISSEMENT DANS LES ZONES MOUILLÉES OÙ LES PERSONNES SE DÉPLACENT AUX PIEDS NUS (C=GLISSEMENT MAXIMAL PRÉVU). CLASSIFICATION SELON LA NORME DIN51097.

1, 2, 3 - CLASSIFICATION DE LA VALEUR DE LA RÉSISTANCE AU GLISSEMENT (RD) SELON LA MÉTHODE DU PÉNDELE. CLASSIFICATION SELON LA NORME ENV12633.

V - LE DÉBIT D'ÉCOULEMENT EST CALCULÉ À PARTIR DE LA STRUCTURE STANDARD DE RELIEF DE LA SURFACE. CLASSIFICATION SELON LA NORME DIN51130.

SLIP RESISTANCE
RESISTÊNCIA AO ESCORREGAMENTO . RÉSISTANCE AU GLISSEMENT

TILT ANGLE ÂNGULO DE INCLINAÇÃO ANGLE D'INCLINAISON	>6,1°-10°	>10°-19°	>19°-27°	>27°-35°	>35°
STATIC FRICTION ATRITO ESTÁTICO FROTTEMENT STATIQUE	LOW BAIXO BAS	NORMAL NORMAL NORMAL	GREATER MAIOR MAJEUR	HIGH ELEVADO ELEVÉ	VERY HIGH MUITO ELEVADO TRÈS ÉLEVÉ
CLASS CLASSE CLASSE	R9	R10	R11	R12	R13

INDICATORS OF SLIP RESISTANCE IN WET AREAS WHERE PEOPLE WALK BAREFOOT
INDICADORES DE RESISTÊNCIA AO ESCORREGAMENTO EM ZONAS MOLHADAS ONDE SE ANDE DESCALÇO
INDICATEURS DE RÉSISTANCE AU GLISSEMENT DANS LES ZONES MOUILLÉES OÙ LES PERSONNES SE DÉPLACENT AUX PIEDS NUS

TILT ANGLE ÂNGULO DE INCLINAÇÃO ANGLE D'INCLINAISON	≥12°	≥18°	≥24°
CLASS CLASSE CLASSE	A	B	C

NON-SLIP FLOORS ARE ADVANTAGEOUS FOR ALL THE AREAS WHERE PEOPLE WALK BAREFOOT AND THERE IS RISK OF SLIPPING. THUS:

CATEGORY A:

- NON-SLIP PERFORMANCE (≥12)
- AREAS WHERE PEOPLE WALK BAREFOOT (CONSIDERABLY DRY)
- DRESSING FOR INDIVIDUAL AND GROUP

CATEGORY B:

- PERFORMANCE SLIP (≥18)
- BATHROOMS
- AREAS SURROUNDING SWIMMING POOLS
- BOTTOM OF SHALLOW SWIMMING POOLS
- CHILDREN'S SWIMMING POOLS

CATEGORY C:

- NON-SLIP PERFORMANCE (≥24)
- CROSSING AREA IN SWIMMING POOLS
- TILTED EDGES OF SWIMMING POOLS

OS PAVIMENTOS ANTIDERRAPANTES SÃO VANTAJOSOS PARA TODAS AS ÁREAS ONDE SE ANDE DESCALÇO E HAJA PERIGO DE ESCORREGAMENTO. SENDO ASSIM:

CATEGORIA A:

- DESEMPENHO DO ANTIDERRAPANTE (≥12°)
- ZONAS ONDE SE ANDA DESCALÇO (CONSIDERAVELMENTE SECOS)
- VESTIÁRIOS INDIVIDUAIS E DE GRUPO

CATEGORIA B:

- DESEMPENHO DO ANTIDERRAPANTE (≥18°)
- CASAS DE BANHO
- ÁREAS CIRCUNDANTES DE PISCINAS
- FUNDO DE PISCINAS POUCO PROFUNDAS
- PISCINAS DE CRIANÇAS

CATEGORIA C:

- DESEMPENHO DO ANTIDERRAPANTE (≥24°)
- ZONA DE PASSAGEM EM PISCINAS
- LIMITES INCLINADOS DE PISCINAS

LES SOLS ANTIDÉRAPANTS SONT PLUS APPROPRIÉS POUR LES ZONES OÙ LES PERSONNES SE DÉPLACENT AUX PIEDS NUS OU OÙ IL Y A LE DANGER DE GLISSEMENT. DONC:

CATÉGORIE A:

- PERFORMANCE DE L'ANTIDÉRAPANT (≥12°)
- ZONES OÙ LES PERSONNES SE DÉPLACENT AUX PIEDS NUS (CONSIDÉRABLEMENT SECS)
- VESTIAIRES INDIVIDUELS OU DE GROUPE

CATÉGORIE B:

- PERFORMANCE DE L'ANTIDÉRAPANT (≥18°)
- SALLES DE BAINS
- ZONES ENTOURANT LES PISCINES
- FOND DES PISCINES PEU PROFONDES
- PISCINES POUR LES ENFANTS

CATÉGORIE C:

- PERFORMANCE DE L'ANTIDÉRAPANT (≥24°)
- ZONE DE PASSAGE DES PISCINES
- LIMITES INCLINÉS DES PISCINES

PENDULUM METHOD
MÉTODO DO PÊNULO . MÉTHODE DU PENDULE

RESISTANCE TO SLIP RD (READ VALUE) RESISTÊNCIA AO DESLIZAMENTO RD (VALOR LIDO) RÉSISTANCE AU GLISSEMENT RD (VALEUR LUE)	15 < RD ≤ 35	35 < RD ≤ 45	RD > 45
APPLICATION APLICAÇÃO APPLICATION	CONSIDERABLY DRY INTERNAL AREAS. ZONAS INTERIORES CONSIDERAVELMENTE SECAS. ZONES À L'INTÉRIEUR CONSIDÉRABLEMENT SÈCHES.	WET INTERNAL AREAS. ZONAS INTERIORES HÚMIDAS. ZONES HUMIDES À L'INTÉRIEUR.	INDUSTRIAL AREAS WHERE THERE ARE OILS AND LUBRICANTS AND EXTERNAL AREAS OF SWIMMING POOLS. ZONAS INDUSTRIAIS ONDE EXISTAM GORDURAS E LUBRIFICANTES E ZONAS EXTERNAS DE PISCINAS. ZONES INDUSTRIELLES OÙ IL Y A DES GRAISSES ET DES LUBRIFIANTS ET ZONES EXTÉRIEURES DES PISCINES.
CLASS CLASSE CLASSE	1	2	3

DETERMINES THE SLIP RESISTANCE COEFFICIENTS OF THE PENDULUM TIPPING OVER THE SURFACE TO BE TESTED, AND EVALUATED ACCORDING TO ENV 12633.

THE CLASSIFICATION OF FLOOR TILES DERIVES FROM THE SLIDING RESISTANCE VALUE, WHICH DETERMINES THEIR CLASS AND, HENCE, POSITION. THIS TEST IS ALWAYS CONDUCTED IN BOTH DIRECTIONS OF THE CERAMIC TILE.





DETERMINA OS COEFICIENTES DE RESISTÊNCIA AO DESLIZAMENTO DO PÊNULO EM BASCULAMENTO SOBRE A SUPERFÍCIE A TESTAR. É AVALIADO SEGUNDO A NORMA ENV 12633.

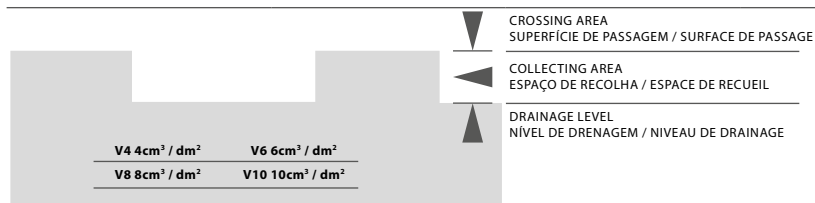
A CLASSIFICAÇÃO DO PAVIMENTO RESULTA DO VALOR DA RESISTÊNCIA AO DESLIZAMENTO, QUE DETERMINA A CLASSE DO MESMO E ASSIM A SUA LOCALIZAÇÃO. ESTE TESTE É FEITO SEMPRE NOS DOIS SENTIDOS DA PEÇA CERÂMICA.

DÉTERMINE LES COEFFICIENTS DE RÉSISTANCE AU GLISSEMENT DU PENDULE EN BASCULEMENT SUR LA SURFACE À TESTER ET IL EST ÉVALUÉ SELON LA NORME ENV 12633.

LA CLASSIFICATION DU SOL RÉSULTE DE LA VALEUR DE LA RÉSISTANCE AU GLISSEMENT, QUI DÉTERMINE LA CLASSE DU SOL ET DONC SA LOCALISATION. CE TESTE EST EFFECTUÉ TOUJOURS DANS LES DEUX DIRECTIONS DE LA PIÈCE CÉRAMIQUE.

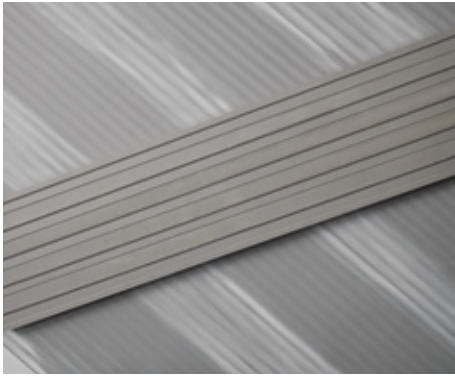
RUN-OFF VOLUME
VOLUME DE ESCOAMENTO . VOLUME D'ÉCOULEMENT

			
cm ³ / dm ² 4	cm ³ / dm ² 6	cm ³ / dm ² 8	cm ³ / dm ² 10
CLASS CLASSE CLASSE	V4	V6	V8
		V8	V10





THICKNESS ESPESSURA . ÉPAISSEUR	SIZE DIMENSÃO . DIMENSION	FINISH ACABAMENTO . FINITION	COLOUR / REF COR / REF . COULEUR / REF	
0.8 cm	29.5x59.2x0.8 cm ret.	NATURAL	PÉROLA 1014	U4 P3 E3 C2
			CINZA CLARO 1020	U4 P3 E3 C2
			CINZA ESCURO 1025	U4 P3 E3 C2
			PRETO 1030	U4 P3 E3 C2
			NEGRO 1032	U4 P3 E3 C2
			ALUMÍNIO 1028	U4 P3 E3 C2
			BEGE 1035	U4 P3 E3 C2
			CASTANHO ESCURO 1057	U4 P3 E3 C2
			VERMELHO 1065	U4 P3 E3 C2
			OURO 1050	U4 P3 E3 C2
			AMARELO 1045	U4 P3 E3 C2
			BRONZE 1058	U4 P3 E3 C2
			ROSA VELHO 1075	U4 P3 E3 C2
			TURQUESA 1080	U4 P3 E3 C2
			AZUL CLARO 1082	U4 P3 E3 C2
	AZUL ESCURO 1085	U4 P3 E3 C2		
	VERDE PASTEL 1092	U4 P3 E3 C2		
	VERDE ESCURO 1095	U4 P3 E3 C2		
	29.5x29.5x0.8 cm ret.	NATURAL	PÉROLA 1014	U4 P4 E3 C2
			CINZA CLARO 1020	U4 P4 E3 C2
CINZA ESCURO 1025			U4 P4 E3 C2	
PRETO 1030			U4 P4 E3 C2	
NEGRO 1032			U4 P4 E3 C2	
ALUMÍNIO 1028			U4 P4 E3 C2	
BEGE 1035			U4 P4 E3 C2	
CASTANHO ESCURO 1057			U4 P4 E3 C2	
VERMELHO 1065			U4 P4 E3 C2	
OURO 1050			U4 P4 E3 C2	
AMARELO 1045			U4 P4 E3 C2	
BRONZE 1058			U4 P4 E3 C2	
ROSA VELHO 1075			U4 P4 E3 C2	
TURQUESA 1080			U4 P4 E3 C2	
AZUL CLARO 1082			U4 P4 E3 C2	
AZUL ESCURO 1085	U4 P4 E3 C2			
VERDE PASTEL 1092	U4 P4 E3 C2			
VERDE ESCURO 1095	U4 P4 E3 C2			
1 cm	59.2x59.2x1 cm ret.	NATURAL	PÉROLA 1014	U4 P4 E3 C2
			CINZA CLARO 1020	U4 P4 E3 C2
			CINZA ESCURO 1025	U4 P4 E3 C2
			PRETO 1030	U4 P4 E3 C2
			NEGRO 1032	U4 P4 E3 C2
			ALUMÍNIO 1028	U4 P4 E3 C2
			BEGE 1035	U4 P4 E3 C2
			CASTANHO ESCURO 1057	U4 P4 E3 C2
			VERMELHO 1065	U4 P4 E3 C2
			OURO 1050	U4 P4 E3 C2
			AMARELO 1045	U4 P4 E3 C2
			BRONZE 1058	U4 P4 E3 C2
			ROSA VELHO 1075	U4 P4 E3 C2
			TURQUESA 1080	U4 P4 E3 C2
			AZUL CLARO 1082	U4 P4 E3 C2
AZUL ESCURO 1085	U4 P4 E3 C2			
VERDE PASTEL 1092	U4 P4 E3 C2			
VERDE ESCURO 1095	U4 P4 E3 C2			
1.2 cm	19.4x19.4x1.2 cm ret.	NATURAL	PÉROLA 1014	U4 P4 + E3 C2
			CINZA CLARO 1020	U4 P4 + E3 C2
1.4 cm	29.5x29.5x1.4 cm ret.	NATURAL	PÉROLA 1014	U4 P4S E3 C2
			CINZA CLARO 1020	U4 P4S E3 C2



MATERIAL

ALWAYS CHECK, BEFORE APPLICATION, IF THE MATERIAL IS ALL OF THE SAME LOT, CALIBRE AND CHOICE.

FOR BETTER RESULTS IN TERMS OF COLOUR HOMOGENEITY AT LEAST 3 BOXES SHOULD BE USED SIMULTANEOUSLY.

NEVER APPLY DIFFERENT LOTS ON THE SAME SURFACE.

THE PIECES SHOULD BE APPLIED IN THE SAME BACK SIDE DIRECTION, WITH A MINIMUM JOINT OF 2MM FOR RECTIFIED MATERIAL AND 6MM FOR THE REMAINING MATERIAL.

EVEN THOUGH KERATEC PRODUCTS COMPLY WITH THE REQUISITES STIPULATED IN INTERNATIONAL NORMS, NAMELY WITH REGARD TO FLATNESS, WE RECOMMEND THAT, WHEN APPLYING LARGE FORMATS (≥ 50CM IN LENGTH), THE PIECES ARE NOT APPLIED, WHEN IN A SHIFTED PATTERN, OVER ¼ OF THE PIECE PARALLEL TO IT.

HAVING IN MIND THE PROTECTION AGAINST GROUTING STAINS, AND OTHERS, AS WELL AS THE DAILY MAINTENANCE, KERATEC RECOMMENDS THE IMPERMEABILIZATION OF ALL POLISHED (SATINED) PRODUCTS, AFTER APPLICATION AND BEFORE GROUTING.

RESPECT RECOMMENDATIONS FOR APPLICATION WRITTEN ON THE PACKAGES.

MATERIAL

VERIFICAR SEMPRE, ANTES DA APLICAÇÃO, SE O MATERIAL É TODO DO MESMO LOTE, CALIBRE E ESCOLHA.

PARA UMA MELHOR HOMOGENEIDADE DE COR, DEVERÃO UTILIZAR-SE PELO MENOS 3 CAIXAS EM SIMULTÂNEO.

NUNCA APLICAR NA MESMA SUPERFÍCIE LOTES DIFERENTES.

AS PEÇAS DEVERÃO SER APLICADAS NO MESMO SENTIDO DO TARDZO, ACONSELHANDO-SE UMA JUNTA MÍNIMA DE: 2MM PARA O MATERIAL RETIFICADO E 6MM PARA O RESTANTE.

PESE EMBORA O FACTO DOS PRODUTOS KERATEC CUMPRIREM OS REQUISITOS PREVISTOS NAS NORMAS INTERNACIONAIS, DESIGNADAMENTE NO QUE CONCERNE À PLANARIDADE, ACONSELHAMOS QUE NA APLICAÇÃO DOS FORMATOS DE GRANDE DIMENSÃO (≥50CM DE COMPRIMENTO) NÃO SE APLIQUEM AS PEÇAS, QUANDO CONTRAFIADAS, A MAIS DE ¼ DA PEÇA QUE LHE É PARALELA.

TENDO POR OBJETIVO A PROTEÇÃO CONTRA MANCHAS DE REJUNTAMENTO E OUTRAS, BEM COMO FACILITAR A MANUTENÇÃO DIÁRIA, A KERATEC RECOMENDA A IMPERMEABILIZAÇÃO, APÓS APLICAÇÃO E ANTES DE REJUNTAR, DE TODOS OS PRODUTOS POLIDOS (ACETINADO).

RESPEITAR OS CONSELHOS DE APLICAÇÃO INSCRITOS NAS EMBALAGENS.

MATÉRIEL

AVANT LA POSE, VÉRIFIER SI LE MATÉRIEL EST TOUT DE MÊME LOT, CALIBRE ET CHOIX.

POUR UNE MEILLEURE HOMOGENÉISATION DE LA COULEUR, DOIT ÊTRE UTILISÉ AU MOINS 3 BOITES EN SIMULTANÉ.

NE JAMAIS APLIQUER DANS A MÊME SURFACE DIFFÉRENTS LOTS.

LES PIÈCES DEVRONT ÊTRE APPLIQUÉES DANS LE MÊME SENS DE SCHELLEMENT, NOUS CONSEILLONS UN JOINT MINIMUM DE 2MM POUR LES MATÉRIEAUX RECTIFIÉS ET 6MM POUR LES AUTRES.

BIEN QUE LES PRODUITS KERATEC SONT CONFORMES AUX EXIGENCES DES NORMES INTERNATIONALES, NOTAMMENT EN CE QUI CONCERNE LA PLANÉITÉ, NOUS VOUS CONSEILLONS QUE DANS L'APPLICATION DES GRANDS FORMATOS (≥50 CM DE LONGUEUR) NE PAS APLIQUER LES PIÈCES, QUAND DÉCALÉS, A PLUS DE ¼ DU CARREAU QUI LUI EST PARALLÈLE.

DANS LE BUT DE PROTÉGER CONTRE LES TACHES DE REJUNTOIEMENT ET AUTRE, AINSI QUÉ DE FACILITER L'ENTRETIEN QUOTIDIEN, KERATEC RECOMMANDE L'IMPERMEABILISATION APRÈS L'APPLICATION ET AVANT LE REJUNTOIEMENT, DE TOUS LES PRODUITS POLIS (SATINÉS).

RESPECTER LES CONSEILS D'APPLICATION ÉCRIT SUR L'EMBALLAGE.

SUPPORT . CUT . GLUES . JOINTS

THE SUPPORT IN WHICH THE KERATEC EXTRUDED PORCELAIN TILE IS TO BE APPLIED SHOULD BE FLAT, SOLID, CLEAN AND DRY.

TAKING INTO ACCOUNT THE HIGH LEVEL OF HARDNESS OF THE KERATEC EXTRUDED PORCELAIN TILE, AND IN ORDER TO OBTAIN A MORE HARMONIOUS AESTHETIC EFFECT, WE RECOMMEND THE USE OF APPROPRIATE DISCS AND DRILLS.

USE SUITABLE GLUES FOR PORCELAIN (CERAMIC PRODUCT OF THE LOWERMOST ABSORPTION), ALSO TAKING INTO ACCOUNT THE SUPPORT, THE FORMAT AND THE PURPOSE IT IS INTENDED FOR (INTERIOR, EXTERIOR, FLOOR, WALL COVERING).

FOLLOW THE INSTRUCTIONS GIVEN BY THE GLUE MANUFACTURER, NAMELY: CONSUMPTION / SQM, DISTRIBUTION, AND TIMINGS.

THE ABSENCE OF AIR POCKETS UNDER THE PIECES MUST BE ENSURED.

THE JOINTS BETWEEN THE PIECES, BOTH AS FLOOR AND AS WALL COVERINGS, HAVE IMPORTANT TECHNICAL FUNCTIONS (ABSORPTION OF THE SUPPORT DEFORMATIONS) AS WELL AS AESTHETIC ONES. THEREFORE, JOINTS WITH CHARACTERISTICS THAT ARE APPROPRIATE TO THE LOCATION AND PURPOSE (FLEXIBLE, ANTI-ACID, ETC...) SHOULD BE USED.

AFTER GROUTING, FOLLOW THE CLEANING INSTRUCTIONS PROVIDED BY THE MANUFACTURER.

SUPORTE . CORTE . COLAS . JUNTAS

O SUPORTE ONDE VAI SER APLICADO O PORCELANATO EXTRUDIDO KERATEC DEVERÁ ESTAR PLANO, SÓLIDO, LIMPO E SECO.

ATENDENDO À ELEVADA DUREZA DO PORCELANATO EXTRUDIDO KERATEC E DE FORMA A OBTEN-SE UM EFEITO ESTÉTICO MAIS HARMONIOSO RECOMENDAMOS A UTILIZAÇÃO DE DISCOS E BROCAS APROPRIADOS.

UTILIZAR COLAS APROPRIADAS PARA PORCELANATO (PRODUTO CERÂMICO DE INFIMA ABSORÇÃO), TENDO TAMBÉM EM CONTA O SUPORTE, O FORMATO E O FIM A QUE SE DESTINA (INTERIOR, EXTERIOR, PAVIMENTO, REVESTIMENTO).

SEGUIR AS INSTRUÇÕES INDICADAS PELO FABRICANTE DE COLAS, NOMEADAMENTE: CONSUMOS / M²; DISTRIBUIÇÃO E TEMPOS.

DEVERÁ GARANTIR-SE A INEXISTÊNCIA DE BOLSAS DE AR SOB A PEÇA.

AS JUNTAS ENTRE AS PEÇAS, TANTO EM PAVIMENTO COMO EM REVESTIMENTO, EXERCEM IMPORTANTES FUNÇÕES TÉCNICAS (ABSORVEM AS DEFORMAÇÕES DO SUPORTE) E ESTÉTICAS. ASSIM DEVE-SE UTILIZAR JUNTAS COM CARACTERÍSTICAS ADEQUADAS AO LOCAL E À SUA FINALIDADE (FLEXÍVEIS, ANTI-ÁCIDOS, ETC...).

APÓS REJUNTAMENTO, RESPEITAR AS INSTRUÇÕES DE LIMPEZA INDICADAS PELO FABRICANTE.

SUPPORT. COUPE. COLLE. JOINS

LE SOUTIEN OU SERA APPLIQUÉ LES GRÉS CÉRAME ÉTIRÉ KERATEC DOIT ÊTRE PLAT, SOLIDE, PROPRE ET SEC.

COMPTE TENU DE LA GRANDE DURETÉ DES GRÉS CÉRAME ÉTIRÉ KERATEC ET AFIN D'OBTENIR UN EFFET ESTHÉTIQUE PLUS HARMONIEUSE, NOUS VOUS RECOMMANDONS D'UTILISER DES DISQUES ET DES TARIÈRES APPROPRIÉS.

UTILISEZ DES COLLES APPROPRIÉS POUR LES GRÉS CÉRAME ÉTIRÉ (PRODUIT CÉRAMIQUE D'ABSORPTION MINUSCULE DE L'EAU), COMPTE TENU ÉGALEMENT DE L'APPUI, LE FORMAT ET L'UTILISATION PRÉVUE (INTÉRIEUR, EXTERIEUR, CARREAUX DE MUR ET DE SOL).

SUIVEZ LES INSTRUCTIONS DONNÉES PAR LE FABRICANT DE COLLES, À SAVOIR: LA CONSOMMATION / M², LA DISTRIBUTION ET LES TEMPS.

DEVRAIT GARANTIR L'INEXISTENCE DE POCHE D'AIR SOUS LA PIÈCE.

LES JOINTS ENTRE LES PIÈCES, EN TANT QUE CARREAUX DE MUR ET DE SOL, ONT DES FONCTIONS TECHNIQUES IMPORTANTES (ABSORBENT LA DÉFORMATION DU SUPPORT) ET ESTHÉTIQUE. DONC, IL DOIT ÊTRE UTILISÉ DES JOINS AVEC DES CARACTÉRISTIQUES APPROPRIÉES AU LIEU ET À L'UTILISATION PRÉVUE (FLEXIBLE, ANTIACIDES, ETC ...).

APRÈS LE JOINTOIEMENT, RESPECTER LES INSTRUCTIONS DE NETTOYAGE FOURNIES PAR LE FABRICANT.

CLEANING

THE KERATEC PRODUCTS WITH PLAIN FINISHING (REFERENCE 10XX) AND TEXTURED FINISHING (REFERENCE 15XX), ARE PREPARED TO FACILITATE THE REMOVAL OR REDUCTION OF STAINS, EITHER THROUGH A SIMPLE CLEANING OR BY USING PRODUCTS THAT ARE COMMERCIALIZED FOR THAT PURPOSE. (SEE STAIN CLEANING TABLE)

THERE ARE SPECIFIC PRODUCTS IN THE MARKET FOR THE CLEANING OF PORCELAIN CERAMIC FLOOR AND WALL TILES. THEY ARE CLASSIFIED PER PRODUCT TYPE (NATURAL OR POLISHED) OR PER TYPE OF STAIN.

WE RECOMMEND THE USE OF BRUSHES IN THE CLEANING OF PRODUCTS THAT HAVE SLIP RESISTANCE CLASS R12.

LIMPEZA

OS PRODUTOS KERATEC COM ACABAMENTO LISO REF^o 10XX, TEXTURADO REF^o 15XX ESTÃO PREPARADOS PARA FACILITAR A REMOÇÃO OU ATENUAÇÃO DAS MANCHAS, QUER ATRAVÉS DE UMA LIMPEZA SIMPLES, QUER ATRAVÉS DE PRODUTOS COMERCIALIZADOS PARA O EFEITO. (VER TABELA LIMPEZA DE MANHAS)

NO MERCADO EXISTEM PRODUTOS ESPECÍFICOS PARA A LIMPEZA DE PAVIMENTOS E REVESTIMENTOS CERÂMICOS, EM PORCELANATO, POR TIPO DE PRODUTO (NATURAL OU POLIDO) E DE MANCHA.

ACONSELHAMOS O USO DE ESCOVAS NA LIMPEZA DOS PRODUTOS DE RESISTÊNCIA AO ESCORREGAMENTO CLASSE R12.

NETTOYAGE

LE PRODUIT KERATEC AVEC LA FINITION LISSE REF.10XX, TEXTURÉS REF.15XX SONT PRÊTS À FACILITER L'ÉLIMINATION OU L'ATTÉNUATION DES TACHES, SOIT PAR UN SIMPLE NETTOYAGE OU VIA DES PRODUITS COMMERCIALISÉS À CETTE FIN. (VOIR LE TABLEAU DE NETTOYAGE DES TACHES)

SUR LE MARCHÉ IL EXISTE DES PRODUITS SPÉCIFIQUES POUR LE NETTOYAGE DE CARREAUX DE MUR ET DE SOL, EN GRÉS CÉRAME, PAR TYPE DE PRODUIT (NATUREL OU POLI) ET DE LA TACHE.












NOUS RECOMMANDONS L'UTILISATION DE BROSSES POUR NETTOYAGE DE PRODUITS DE RÉSISTANCE AU GLISSEMENT CLASSE R12.

STAIN TYPE TIPO DE MANCHA . TYPE DE TÂCHE	REMOVED WITH: REMOVED COM: . ENLEVÉE AVEC:
DAILY CLEANING LIMPEZA NO DIA A DIA NETTOYAGE JOURNALIER	
BETADINE; IODINE STAIN; BLOOD BETADINE; TINTURA DE IODO; SANGUE BETADINE; TEINTURE D'IODE; SANG	
OLIVE OIL; OILS; KITCHEN FATS AZEITE; ÓLEOS; GORDURAS DE COZINHA HUILE D'OLIVE; HUILES; GRAS CUISINE	WATER + COMMON NEUTRAL DETERGENT ÁGUA + DETERGENTE NEUTRO COMUM EAU + PRODUIT NETTOYAGE NEUTRE COMMUN
KETCHUP; MAYONNAISE; YOGHURT KETCHUP; MAIONESE; IOGURTE KETCHUP; MAYONNAISE; YAOURT	
WINE; BEER; COFFEE VINHO; CERVEJA; CAFÉ VIN; BIÈRE; CAFÉ	
BURNT OILS; TYRE MARKS ÓLEOS QUEIMADOS; MARCAS DE PNEUS HUILES BRÛLÉES; TRACES DE PNEUS	WATER + COMMON NEUTRAL DETERGENT + GREEN ABRASIVE SPONGE ÁGUA + DETERGENTE NEUTRO COMUM + ESFREGÃO VERDE EAU + PRODUIT NETTOYAGE NEUTRE COMMUN + LAVETTE VERTE
PAINTS; ENAMELS; GRAFFITI TINTAS; ESMALTES; GRAFITIS PEINTURES; ÉMAUX; GRAFFITIS	ACETONE, THINNER, TURPENTINE ACETONA, DILUENTE, AGUARRÁS ACÉTONE, DILUANT, TÉRÉBENTHINE
MARKER TAINTS; CHINA INK TINTAS DE MARCADORES; TINTA DA CHINA FEUTRES; ENCRE DE CHINE	
EFFLORESCENCES; LIMESTONE EFLORESCÊNCIAS; CALCÁRIO EFFLORESCENCES; CALCAIRE	ACID BASED DETERGENT DETERGENTE COM BASE ÁCIDA PRODUIT NETTOYAGE À BASE ACIDE
RUST FERRUGEM ROUILLE	
CEMENT AND RESIDUES FROM JOINTS CIMENTO E RESÍDUOS DE REJUNTAMENTO CIMENT ET RÉSIDUS DE REJOINTOIEMENT	STRONG ACID SCALE REMOVER DESINCRUSTANTE ÁCIDO FORTE DÉSINCRUSTANT ACIDE FORT
STAINS ACCUMULATED IN THE JOINTS MANCHAS ACUMULADAS NAS JUNTAS TÂCHES ACCUMULÉES SUR LES JOINTS	SPECIFIC PRODUCT FOR THE PURPOSE. OTHER TYPE OF PRODUCTS CAN DAMAGE OR DISLOCATED THE JOINTS. PRODUTO ESPECÍFICO PARA O EFEITO. OUTRO TIPO DE PRODUTO PODE DANIFICAR OU DESCOLORAR AS JUNTAS. PRODUIT SPÉCIFIQUE POUR CET EFFET. UN AUTRE TYPE DE PRODUIT PEUT ENDOMMAGER OU DÉCOLORER LES JOINTS.

Packages and Weights









EXTRUDED PORCELAIN TILES . PORCELANATO EXTRUDIDO . GRÈS CÉRAMÉ ÉTIRÉ

SIZES (CM) DIMENSÃO (CM) FORMAT (CM)	PIECES / SQM PEÇAS / M² PIÈCES / M²	WEIGHT / SQM PESO / M² POIDS / M²	PIECES / BOX PEÇAS / CX PIÈCES / BOÎTE	SQM / BOX M² / CX M² / BOÎTE	WEIGHT / BOX PESO / CX POIDS / BOÎTE	BOX / PALLET CX / PALETTE BOÎTE / PALETTE	SQM / PALLET M² / PALETTE M² / PALETTE	WEIGHT / PALLET PESO / PALETTE POIDS / PALETTE	CM / PALLET CM / PALETTE CM / PALETTE	PALLET / TRUCK PALETTE / CAMIÃO PALETTE / CAMION
										
44.3x88.8x1 ret.	2.54	25.11	2	0.787	19.76	43	33.841	731	90X120X60	33
29.5x88.8x0.45 ret.	3.82	10.70	8	2.090	22.36	25	52.250	559	90X120X45	43
59.2x59.2x1 ret.	2.85	22.86	3	1.050	24.00	36	37.800	882	80X120X75	27
59.2x59.2x0.8 ret.	2.85	19.28	4	1.400	27.00	36	50.400	990	80X120X75	24
29.5x59.2x1 ret.	5.73	21.42	6	1.050	22.50	40	42.000	918	80X120X75	26
29.5x59.2x0.8 ret.	5.73	18.44	7	1.220	22.50	40	48.800	918	80X120X75	26
29.5x59.2x0.45 ret.	5.73	9.92	14	2.440	24.64	40	97.600	986	80X120X75	24
39.2x39.2x1 ret.	6.51	23.84	10	1.530	36.72	36	55.080	1340	80X120X95	18
39.2x39.2x0.8 ret.	6.51	19.96	12	1.840	36.72	36	66.240	1340	80X120X95	18
29.5x29.5x0.8 ret.	11.49	18.05	13	1.130	20.40	50	56.500	1020	80X120X75	24
30x60x0.8	5.55	19.50	6	1.080	21.06	48	51.840	1010	80X120X75	24
40x40x0.8	6.25	19.13	12	1.920	36.72	36	69.120	1340	80X120X95	18
30x30x1.2	11.11	29.16	8	0.720	21.00	50	36.000	1050	80X120X75	23
30x30x1.2 (Drainage Textured)	11.11	29.16	8	0.720	21.00	50	36.000	1050	80X120X75	23
30x30x0.8	11.11	18.12	13	1.170	21.20	50	58.500	1060	80X120X75	23
20x20x1.2	25.00	27.56	24	0.960	26.46	56	53.760	1500	80X120X95	16
20x20x1.2 (Kerabrilha LC20)	25.00	34.27	18	0.720	24.68	56	40.320	1400	80X120X95	17
20x20x1.2 (Kerabrilha LG20 / LS50)	25.00	34.27	18	0.720	24.68	56	40.320	1400	80X120X95	17

Product Range

Gama de Produtos
Gamme de Produits



COMPLEMENTARY SYSTEMS SISTEMAS COMPLEMENTARES SYSTÈMES COMPLÉMENTAIRES		THICKNESS ESPESSURA ÉPAISSEUR	FORMAT FORMATO FORMAT	SIZE (HxWxD) DIMENSÃO (HxWxD) DIMENSION (HxWxD)	FINISH ACABAMENTO FINITION	PÉROLA	CINZA CLARO			
 <p>STAIRSTEP DEGRAU NEZ DE MARCHE</p>	0.8 cm	60x60	59.2x59.2x0.8 cm ret.	NATURAL	1014	PK19	1020	PK19		
				CI	1014CI	PK20	1020CI	PK20		
				ANTI-SLIP	1014AS	PK20	1020AS	PK20		
			SATIN	1114	PK20	1120	PK20			
			30x60	29.5x59.2x0.8 cm ret.	NATURAL	1014	PK10	1020	PK10	
					CI	1014CI	PK11	1020CI	PK11	
					ANTI-SLIP	1014AS	PK11	1020AS	PK11	
				SATIN	1114	PK11	1120	PK11		
				30x60x0.8 cm	NATURAL	1014	PK8	1020	PK8	
		CI			1014CI	PK9	1020CI	PK9		
		ANTI-SLIP	1014AS		PK9	1020AS	PK9			
		40x40	39.2x39.2x0.8 cm ret.	NATURAL	1014	PK9	1020	PK9		
				CI	1014CI	PK10	1020CI	PK10		
				ANTI-SLIP	1014AS	PK10	1020AS	PK10		
			SATIN	1114	PK10	1120	PK10			
			40x40x0.8 cm	NATURAL	1014	PK7	1020	PK7		
				CI	1014CI	PK8	1020CI	PK8		
				ANTI-SLIP	1014AS	PK8	1020AS	PK8		
				30x30	29.5x29.5x0.8 cm ret.	NATURAL	1014	PK5	1020	PK5
						CI	1014CI	PK6	1020CI	PK6
		SATIN				1114	PK6	1120	PK6	
		30x30x0.8 cm	NATURAL	1014	PK3	1020	PK3			
			CI	1014CI	PK4	1020CI	PK4			
			ANTI-SLIP	1014AS	PK4	1020AS	PK4			
1 cm	60x60	59.2x59.2x1 cm ret.	NATURAL	1014	PK21	1020	PK21			
			CI	1014CI	PK22	1020CI	PK22			
			ANTI-SLIP	1014AS	PK22	1020AS	PK22			
	30x60	29.5x59.2x1 cm ret.	NATURAL	1014	PK12	1020	PK12			
			CI	1014CI	PK13	1020CI	PK13			
			ANTI-SLIP	1014AS	PK13	1020AS	PK13			
		40x40	39.2x39.2x1 cm ret.	NATURAL	1014	PK11	1020	PK11		
				CI	1014CI	PK12	1020CI	PK12		
				ANTI-SLIP	1014AS	PK12	1020AS	PK12		
1.2 cm	30x30	30x30x1.2 cm	NATURAL	1014	PK5	1020	PK5			
			CI	1014CI	PK6	1020CI	PK6			
			TEXTURED CI	1514CI	PK6	1520CI	PK6			
	20x20	20x20x1.2 cm	NATURAL	1014	PK2	1020	PK2			
			CI	1014CI	PK3	1020CI	PK3			
			TEXTURED CI	1514CI	PK3	1520CI	PK3			
 <p>SKIRTING RODAPE PLINTHE</p>	0.8 cm	8x60	8x59.2 cm ret.	NATURAL	1014	PK5	1020	PK5		
				SATIN	1114	PK5	1120	PK5		
			8x60 cm	NATURAL	1014	PK4	1020	PK4		
				SATIN	1114	PK4	1120	PK4		
			8x40	8x39.2 cm ret.	NATURAL	1014	PK4	1020	PK4	
					SATIN	1114	PK4	1120	PK4	
		8x40 cm		NATURAL	1014	PK3	1020	PK3		
				SATIN	1114	PK3	1120	PK3		
		8x30	8x29.5 cm ret.	NATURAL	1014	PK2	1020	PK2		
				SATIN	1114	PK2	1120	PK2		
			8x30 cm	NATURAL	1014	PK1	1020	PK1		
				SATIN	1114	PK1	1120	PK1		
		1.2 cm	8x30	8x30 cm	TEXTURED CI	1514CI	PK2	1520CI	PK2	
					TEXTURED CI	1514CI	PK2	1520CI	PK2	
			8x20	8x20 cm	TEXTURED CI	1514CI	PK2	1520CI	PK2	
					TEXTURED CI	1514CI	PK2	1520CI	PK2	
		 <p>COVE BASE SKIRTING - FLAT TOP (FT) / ROUND TOP (RT) RODAPE CÔNCAVO - LISO / BOLEADO PLINTHE CONCAVE - LISSE / ARRONDI</p>	0.8 cm	Traditional FT	10x30x1.2 cm	NATURAL	1014	PK3	1020	PK3
					10x20x1.2 cm	NATURAL	1014	PK3	1020	PK3
Traditional RT	10x30x1.2 cm				NATURAL	1014	PK3	1020	PK3	
10x20x1.2 cm	NATURAL				1014	PK3	1020	PK3		
Industrial FT	10x30x2.5 cm			NATURAL	1014	PK3	1020	PK3		
	10x20x2.5 cm			NATURAL	1014	PK3	1020	PK3		
 <p>INTERNAL CORNER - FLAT TOP (FT) / ROUND TOP (RT) ÂNGULO INTERNO - LISO / BOLEADO ANGLE INTERNE - LISSE / ARRONDI</p>	0.8 cm			Traditional FT	10x2.5x1.2 cm	NATURAL	1014	PK3	1020	PK3
					Traditional RT	10x2.5x1.2 cm	NATURAL	1014	PK3	1020
				Industrial FT	10x4x2.5 cm	NATURAL	1014	PK3	1020	PK3
					 <p>EXTERNAL CORNER - FLAT TOP (FT) / ROUND TOP (RT) ÂNGULO EXTERNO - LISO / BOLEADO ANGLE EXTERNE - LISSE / ARRONDI</p>	Traditional FT	10x3.5x2.5 cm	NATURAL	1014	PK3
		Traditional RT	10x3.5x2.5 cm				NATURAL	1014	PK3	1020
		Industrial FT	10x6.4x4.5 cm			NATURAL	1014	PK3	1020	PK3
 <p>QUARTER ROUND MEIA CANA GORGE ÉMAILLÉE EXTÉRIEUR</p>	0.8 cm	20x2.5	20x2.5 cm	NATURAL	1014	PK1	1020	PK1		

COLOUR RANGE



CINZA ESCURO

PRETO

NEGRO

ALUMÍNIO

BEGE

CASTANHO ESCURO

VERMELHO

OURO

DIN 51130

ENV 12633

DIN 51097

1025	PK19	1030	PK20	1032	PK21	1028	PK21	1035	PK20	1057	PK22	1065	PK22	1050	PK22	R9	CLASS 1		
1025CI	PK20	1030CI	PK21	1032CI	PK22	1028CI	PK22	1035CI	PK21	1057CI	PK23	1065CI	PK23	1050CI	PK23	R10	CLASS 2	CLASS A	
1025AS	PK20	1030AS	PK21	1032AS	PK22											R11	CLASS 3	CLASS B	
1125	PK20	1130	PK21	1132	PK22	1128	PK22	1135	PK21	1157	PK23	1165	PK23	1150	PK23				
1025	PK10	1030	PK11	1032	PK12	1028	PK12	1035	PK11	1057	PK13	1065	PK13	1050	PK13	R9	CLASS 1		
1025CI	PK11	1030CI	PK12	1032CI	PK13	1028CI	PK13	1035CI	PK12	1057CI	PK14	1065CI	PK14	1050CI	PK14	R10	CLASS 2	CLASS A	
1025AS	PK11	1030AS	PK12	1032AS	PK13											R11	CLASS 3	CLASS B	
1125	PK11	1130	PK12	1132	PK13	1128	PK13	1135	PK12	1157	PK14	1165	PK14	1150	PK14				
1025	PK8	1030	PK9	1032	PK10	1028	PK10	1035	PK9	1057	PK11	1065	PK11	1050	PK11	R9	CLASS 1		
1025CI	PK9	1030CI	PK10	1032CI	PK11	1028CI	PK11	1035CI	PK10	1057CI	PK12	1065CI	PK12	1050CI	PK12	R10	CLASS 2	CLASS A	
1025AS	PK9	1030AS	PK10	1032AS	PK11	1028AS	PK11	1035AS	PK10	1057AS	PK12	1065AS	PK12	1050AS	PK12	R11	CLASS 3	CLASS B	
1025	PK9	1030	PK10	1032	PK11	1028	PK11	1035	PK10	1057	PK12	1065	PK12	1050	PK12	R9	CLASS 1		
1025CI	PK10	1030CI	PK11	1032CI	PK12	1028CI	PK12	1035CI	PK11	1057CI	PK13	1065CI	PK13	1050CI	PK13	R10	CLASS 2	CLASS A	
1025AS	PK10	1030AS	PK11	1032AS	PK12											R11	CLASS 3	CLASS B	
1125	PK10	1130	PK11	1132	PK12	1128	PK12	1135	PK11	1157	PK13	1165	PK13	1150	PK13				
1025	PK7	1030	PK8	1032	PK9	1028	PK9	1035	PK8	1057	PK10	1065	PK10	1050	PK10	R9	CLASS 1		
1025CI	PK8	1030CI	PK9	1032CI	PK10	1028CI	PK10	1035CI	PK9	1057CI	PK11	1065CI	PK11	1050CI	PK11	R10	CLASS 2	CLASS A	
1025AS	PK8	1030AS	PK9	1032AS	PK10	1028AS	PK10	1035AS	PK9	1057AS	PK11	1065AS	PK11	1050AS	PK11	R11	CLASS 3	CLASS B	
1025	PK5	1030	PK6	1032	PK7	1028	PK7	1035	PK6	1057	PK8	1065	PK8	1050	PK8	R9	CLASS 1		
1025CI	PK6	1030CI	PK7	1032CI	PK8	1028CI	PK8	1035CI	PK7	1057CI	PK9	1065CI	PK9	1050CI	PK9	R10	CLASS 2	CLASS A	
1125	PK6	1130	PK7	1132	PK8	1128	PK8	1135	PK7	1157	PK9	1165	PK9	1150	PK9				
1025	PK3	1030	PK4	1032	PK5	1028	PK5	1035	PK4	1057	PK6	1065	PK6	1050	PK6	R9	CLASS 1		
1025CI	PK4	1030CI	PK5	1032CI	PK6	1028CI	PK6	1035CI	PK5	1057CI	PK7	1065CI	PK7	1050CI	PK7	R10	CLASS 2	CLASS A	
1025AS	PK4	1030AS	PK5	1032AS	PK6	1028AS	PK6	1035AS	PK5	1057AS	PK7	1065AS	PK7	1050AS	PK7	R11	CLASS 3	CLASS B	
1025	PK21	1030	PK22	1032	PK23											R9	CLASS 1		
1025CI	PK22	1030CI	PK23	1032CI	PK24											R10	CLASS 2	CLASS A	
1025AS	PK22	1030AS	PK23	1032AS	PK24											R11	CLASS 3	CLASS B	
1025	PK12	1030	PK13	1032	PK14											R9	CLASS 1		
1025CI	PK13	1030CI	PK14	1032CI	PK15											R10	CLASS 2	CLASS A	
1025AS	PK13	1030AS	PK14	1032AS	PK15											R11	CLASS 3	CLASS B	
1025	PK11	1030	PK12	1032	PK13											R9	CLASS 1		
1025CI	PK12	1030CI	PK13	1032CI	PK14											R10	CLASS 2	CLASS A	
1025AS	PK12	1030AS	PK13	1032AS	PK14											R11	CLASS 3	CLASS B	
																R9	CLASS 1		
																R10	CLASS 2	CLASS A	
																R12	CLASS 3	CLASS B	
																R9	CLASS 1		
																R10	CLASS 2	CLASS A	
																R12	CLASS 3	CLASS B	
1025	PK5	1030	PK5	1032	PK5	1028	PK5	1035	PK5	1057	PK6	1065	PK6	1050	PK6				
1125	PK5	1130	PK5	1132	PK5	1128	PK5	1135	PK5	1157	PK6	1165	PK6	1150	PK6				
1025	PK4	1030	PK4	1032	PK4	1028	PK4	1035	PK4	1057	PK5	1065	PK5	1050	PK5				
1025	PK4	1030	PK4	1032	PK4	1028	PK4	1035	PK4	1057	PK5	1065	PK5	1050	PK5				
1125	PK4	1130	PK4	1132	PK4	1128	PK4	1135	PK4	1157	PK5	1165	PK5	1150	PK5				
1025	PK3	1030	PK3	1032	PK3	1028	PK3	1035	PK3	1057	PK4	1065	PK4	1050	PK4				
1025	PK2	1030	PK2	1032	PK2	1028	PK2	1035	PK2	1057	PK3	1065	PK3	1050	PK3				
1125	PK2	1130	PK2	1132	PK2	1128	PK2	1135	PK2	1157	PK3	1165	PK3	1150	PK3				
1025	PK1	1030	PK1	1032	PK1	1028	PK1	1035	PK1	1057	PK2	1065	PK2	1050	PK2				



Complementary Systems



keratec

ALELUIA CERÂMICAS RESERVES THE RIGHT TO DELETE OR MODIFY, AT ANY TIME, PARTIALLY OR COMPLETELY, ANY DATA INCLUDED IN THIS CATALOGUE WITHOUT ANY NOTICE, SUCH AS: SERIES, FORMATS, COLOURS, REFERENCES AND PRICE GROUPS.

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LE COULEUR DES SÉRIE/PRODUITS EST PUREMENT INDICATIF ET PEUT PRÉSENTER DE LÉGÈRE DIFFÉRENCE DE TONALITÉ.



PRODUCT RANGE

PRODUCT RANGE

COLOUR RANGE



WALL & FLOOR TILES
REVESTIMENTO E PAVIMENTO
REVÊTEMENTS & CARREAUX DE SOL



SERIES SÉRIES SÉRIES	THICKNESS ESPESSURA ÉPAISSEUR	FORMAT FORMATO FORMAT	SIZE DIMENSÃO DIMENSION	FINISH ACABAMENTO FINITION	PÉROLA	CINZA CLARO	CINZA ESCURO	PRETO	NEGRO	ALUMÍNIO	
RESIDENTIAL	0.45 cm	30x90	29.5x88.8x0.45 cm ret.	NATURAL	1014 K31	1020 K31	1025 K31	1030 K31	1032 K31	1028	
		30x60	29.5x59.2x0.45 cm ret.	NATURAL	1014 K27	1020 K27	1025 K27	1030 K27	1032 K27	1028	
	0.8 cm	60x60	59.2x59.2x0.8 cm ret.	NATURAL	1014 K24	1020 K24	1025 K24	1030 K26	1032 K28	1028	
				CI	1014CI K25	1020CI K25	1025CI K25	1030CI K27	1032CI K29	1028CI	
				SATIN	1114 K29	1120 K29	1125 K29	1130 K30	1132 K32	1128	
		30x60	29.5x59.2x0.8 cm ret.	NATURAL	1014 K20	1020 K20	1025 K20	1030 K22	1032 K23	1028	
				CI	1014CI K21	1020CI K21	1025CI K21	1030CI K23	1032CI K24	1028CI	
				SATIN	1114 K26	1120 K26	1125 K26	1130 K28	1132 K30	1128	
			30x60x0.8 cm	NATURAL	1014 K13	1020 K13	1025 K13	1030 K16	1032 K18	1028	
				CI	1014CI K14	1020CI K14	1025CI K14	1030CI K17	1032CI K19	1028CI	
				NATURAL	1014 K20	1020 K20	1025 K20	1030 K22	1032 K23	1028	
		40x40	39.2x39.2x0.8 cm ret.	NATURAL	1014 K20	1020 K20	1025 K20	1030 K22	1032 K23	1028	
				CI	1014CI K21	1020CI K21	1025CI K21	1030CI K23	1032CI K24	1028CI	
				SATIN	1114 K26	1120 K26	1125 K26	1130 K28	1132 K30	1128	
	40x40x0.8 cm		NATURAL	1014 K12	1020 K12	1025 K12	1030 K15	1032 K17	1028		
			CI	1014CI K13	1020CI K13	1025CI K13	1030CI K16	1032CI K18	1028CI		
			NATURAL	1014 K21	1020 K21	1025 K21	1030 K23	1032 K24	1028		
	30x30	29.5x29.5x0.8 cm ret.	CI	1014CI K22	1020CI K22	1025CI K22	1030CI K24	1032CI K25	1028CI		
			SATIN	1114 K26	1120 K26	1125 K26	1130 K28	1132 K30	1128		
			NATURAL	1014 K7	1020 K7	1025 K7	1030 K10	1032 K11	1028		
		30x30x0.8 cm	CI	1014CI K8	1020CI K8	1025CI K8	1030CI K11	1032CI K12	1028CI		
			ANTI-SLIP	1014AS K14	1020AS K14	1025AS K14	1030AS K17	1032AS K19	1028AS		
			ANTI-SLIP	1014AS K13	1020AS K13	1025AS K13	1030AS K16	1032AS K18	1028AS		
	TERRACES	0.8 cm	30x60	30x60x0.8 cm	ANTI-SLIP	1014AS K8	1020AS K8	1025AS K8	1030AS K11	1032AS K12	1028AS
40x40			40x40x0.8 cm	ANTI-SLIP	1014AS K8	1020AS K8	1025AS K8	1030AS K11	1032AS K12	1028AS	
30x30			30x30x0.8 cm	ANTI-SLIP	1014AS K8	1020AS K8	1025AS K8	1030AS K11	1032AS K12	1028AS	
FACADES	0.45 cm	30x90	29.5x88.8x0.45 cm ret.	NATURAL	1014 K31	1020 K31	1025 K31	1030 K31	1032 K31	1028	
	1 cm	45x90	44.3x88.8x1 cm ret.	NATURAL	1014 K31	1020 K31	1025 K31	1030 K32	1032 K33	1028	
HIGH TRAFFIC	1 cm	60x60	59.2x59.2x1 cm ret.	NATURAL	1014 K28	1020 K28	1025 K28	1030 K29	1032 K30		
				CI	1014CI K29	1020CI K29	1025CI K29	1030CI K30	1032CI K31		
				ANTI-SLIP	1014AS K29	1020AS K29	1025AS K29	1030AS K30	1032AS K31		
		30x60	29.5x59.2x1 cm ret.	NATURAL	1014 K23	1020 K23	1025 K23	1030 K25	1032 K26		
				CI	1014CI K24	1020CI K24	1025CI K24	1030CI K26	1032CI K27		
				ANTI-SLIP	1014AS K24	1020AS K24	1025AS K24	1030AS K26	1032AS K27		
	40x40	39.2x39.2x1 cm ret.	NATURAL	1014 K23	1020 K23	1025 K23	1030 K25	1032 K26			
			CI	1014CI K24	1020CI K24	1025CI K24	1030CI K26	1032CI K27			
			ANTI-SLIP	1014AS K24	1020AS K24	1025AS K24	1030AS K26	1032AS K27			
	0.8 cm	60x60	59.2x59.2x0.8 cm ret.	NATURAL	1014 K24	1020 K24	1025 K24	1030 K26	1032 K28		
				CI	1014CI K25	1020CI K25	1025CI K25	1030CI K27	1032CI K29		
				ANTI-SLIP	1014AS K25	1020AS K25	1025AS K25	1030AS K27	1032AS K29		
		30x60	29.5x59.2x0.8 cm ret.	NATURAL	1014 K20	1020 K20	1025 K20	1030 K22	1032 K23		
				CI	1014CI K21	1020CI K21	1025CI K21	1030CI K23	1032CI K24		
				ANTI-SLIP	1014AS K21	1020AS K21	1025AS K21	1030AS K23	1032AS K24		
	40x40	39.2x39.2x0.8 cm ret.	NATURAL	1014 K20	1020 K20	1025 K20	1030 K22	1032 K23			
			CI	1014CI K21	1020CI K21	1025CI K21	1030CI K23	1032CI K24			
			ANTI-SLIP	1014AS K20	1020AS K21	1025AS K21	1030AS K23	1032AS K24			
HEAVY TRAFFIC	1.2 cm	30x30	30x30x1.2 cm	NATURAL	1014 K18	1020 K18					
				CI	1014CI K19	1020CI K19					
				TEXTURED CI	1514CI K19	1520CI K19					
				DRAINAGE TEXTURED	1914 K26	1920 K26					
		20x20	20x20x1.2 cm	NATURAL	1014 K18	1020 K18					
				CI	1014CI K19	1020CI K19					
				TEXTURED CI	1514CI K19	1520CI K19					
				DRAINAGE TEXTURED	1914 K26	1920 K26					
				KERABRAILLE - GUIDE LINE CI		LG20	K34				
				KERABRAILLE - CAUTION LINE CI		LC20	K34				
				KERABRAILLE - SAFETY LINE CI							
				KERABRAILLE - CHANGE OF DIRECTION CI		1020CI (MD20)	K19				

The products of the facade range (44.3x88.8x1cm rect. and 29.5x88.8x0.45cm rect.) and remaining products with a 0.45cm thickness are not recommended for application on the floor.

Os produtos da gama de fachadas (44.3x88.8x1cm ret. e 29.5x88.8x0.45cm ret.) e restantes de espessura 0.45cm não são recomendados para aplicação no pavimento.

La gamme de produits façades (44.3x88.8x1cm rect. et 29.5x88.8x0.45cm rect.) et autres d'épaisseur 0.45cm ne sont pas recommandés pour une application dans le sol.

NIO	BEGE	CASTANHO ESCURO	VERMELHO	OURO	DIN 51130	ENV 12633	DIN 51097							
K31	1035	K31	1057	K32	1065	K32	1050	K31	R9	CLASS 1				
K27	1035	K27	1057	K28	1065	K28	1050	K28	R9	CLASS 1				
K28	1035	K26	1057	K31	1065	K29	1050	K31	R9	CLASS 1				
K30	1035CI	K27	1057CI	K32	1065CI	K30	1050CI	K32	R10	CLASS 2	CLASS A			
K32	1135	K30	1157	K35	1165	K34	1150	K35						
K23	1035	K22	1057	K26	1065	K24	1050	K26	R9	CLASS 1				
K24	1035CI	K23	1057CI	K28	1065CI	K25	1050CI	K28	R10	CLASS 2	CLASS A			
K30	1135	K28	1157	K32	1165	K30	1150	K32						
K18	1035	K16	1057	K22	1065	K20	1050	K22	R9	CLASS 1				
K19	1035CI	K17	1057CI	K23	1065CI	K21	1050CI	K23	R10	CLASS 2	CLASS A			
K23	1035	K22	1057	K26	1065	K24	1050	K26	R9	CLASS 1				
K24	1035CI	K23	1057CI	K28	1065CI	K25	1050CI	K28	R10	CLASS 2	CLASS A			
K30	1135	K28	1157	K32	1165	K30	1150	K32						
K17	1035	K15	1057	K22	1065	K19	1050	K22	R9	CLASS 1				
K18	1035CI	K16	1057CI	K23	1065CI	K20	1050CI	K23	R10	CLASS 2	CLASS A			
K24	1035	K23	1057	K27	1065	K25	1050	K27	R9	CLASS 1				
K25	1035CI	K24	1057CI	K28	1065CI	K26	1050CI	K28	R10	CLASS 2	CLASS A			
K30	1135	K28	1157	K32	1165	K30	1150	K32						
K11	1035	K10	1057	K15	1065	K12	1050	K15	R9	CLASS 1				
K12	1035CI	K11	1057CI	K16	1065CI	K13	1050CI	K16	R10	CLASS 2	CLASS A			
K19	1035AS	K17	1057AS	K23	1065AS	K21	1050AS	K23	R11	CLASS 3	CLASS B			
K18	1035AS	K16	1057AS	K23	1065AS	K20	1050AS	K23	R11	CLASS 3	CLASS B			
K12	1035AS	K11	1057AS	K16	1065AS	K13	1050AS	K16	R11	CLASS 3	CLASS B			
K31	1035	K31	1057	K32	1065	K32			R9	CLASS 1				
K33	1035	K32	1057	K36	1065	K35			R9	CLASS 1				
									R9	CLASS 1				
									R10	CLASS 2	CLASS A			
									R11	CLASS 3	CLASS B			
									R9	CLASS 1				
									R10	CLASS 2	CLASS A			
									R11	CLASS 3	CLASS B			
									R9	CLASS 1				
									R10	CLASS 2	CLASS A			
									R11	CLASS 3	CLASS B			
									R9	CLASS 1				
									R10	CLASS 2	CLASS A			
									R11	CLASS 3	CLASS B			
									R9	CLASS 1				
									R10	CLASS 2	CLASS A			
									R12	CLASS 3	CLASS B			
									R12-V6	CLASS 3	CLASS C			
									R9	CLASS 1				
									R10	CLASS 2	CLASS A			
									R12	CLASS 3	CLASS B			
									R12-V6	CLASS 3	CLASS C			
									R10-V10	CLASS 2	CLASS A			
									R10-V10	CLASS 2	CLASS A			
					LS50	K34			R10-V10	CLASS 2	CLASS A			
									R10	CLASS 2	CLASS A			

SPECIAL PRODUCT RANGE (WITH CONDITIONS)



WALL & FLOOR TILES
 REVESTIMENTO E PAVIMENTO
 REVÊTEMENTS & CARREAUX DE SOL

COLOURS

	AMARELO 1045		AZUL CLARO 1082
	BRONZE 1058		AZUL ESCURO 1085
	ROSA VELHO 1075		VERDE PASTEL 1092
	TURQUESA 1080		VERDE ESCURO 1095

Other colours can be produced under certain conditions.

Outras cores poderão ser produzidas mediante condições especiais.

D'autres couleurs peuvent être produites dans des conditions spéciales.

THICKNESS



Other thicknesses (0.6cm, 0.7cm, 1.4cm and 1.6cm) can be produced under certain conditions.

Outras espessuras (0.6cm, 0.7cm, 1.4cm e 1.6cm) poderão ser produzidas mediante condições especiais.

D'autres épaisseurs (0.6cm , 0.7cm , 1.4cm et 1.6cm) peuvent être produits avec des conditions spéciales.

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HEAD OFFICE . SEDE . SIÉGE
HAUPTGESCHÄFTSSITZ

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