

THICKNESS
ÉPAISSEUR _ STÄRKEN _ ESPESSURA

SLABSTONE
SUBWAY
TOOL

20MM THICKNESS
ÉPAISSEUR _ STÄRKEN _ ESPESSURA

This type of material is ideal for outdoor use, gardens, parks, terraces and in high-traffic public spaces. It can be used on gravel, grass and raised areas, in a fast and functional way, being highly resistant and easily removable or repositionable without the need for cement-based adhesives.

It brings great advantages when used on uneven surfaces, since it solves surface flatness problems.

It can also be used traditionally with cement-based adhesive for a pavement with extremely high mechanical strength.

Ce type de matériel est idéal pour les applications extérieures, jardins, parcs, terrasses et dans des espaces publics avec une grande circulation. Cette pierre permet une application sur le gravier, le gazon et la pose surélevée, de façon fonctionnelle et rapide, avec une grande résistance et facilement amovible ou repositionnable sans avoir besoin d'utiliser des ciments colle.

Elle a de grands avantages lors de la pose sur des surfaces irrégulières, permettant la résolution des problèmes de planéité de la surface.

Elle permet également l'application traditionnelle avec du ciment colle pour obtenir un sol de très haute résistance mécanique.

Diese Materialart ist ideal für die Anwendung im Freien, Gärten, Parks, Terrassen und in öffentlichen Bereichen mit hohem Personenverkehr. Die Platten können auf Kies, Gras und Doppelboden auf funktionale Weise und schnell aufgetragen werden und bieten eine hohe Festigkeit. Sie können leicht entfernt oder neu positioniert werden, ohne dabei auf Zementkleber zurückgreifen zu müssen.

Die Platten bieten viele Vorteile hinsichtlich der Anwendung auf unregelmäßigen Oberflächen, da sie es ermöglichen, eventuelle Probleme bei der Planheit von Oberflächen zu lösen.

Er kann ebenfalls auf traditionelle Weise mit Zementkleber aufgetragen werden, um Böden mit sehr hoher mechanischer Festigkeit zu erhalten.

Este tipo de material é ideal para a aplicação em exteriores, jardins, parques, terraços e em espaços públicos de elevado tráfego. Permite a aplicação sobre gravilha, relva e sobreelevada, de uma forma funcional e rápida com grande resistência e facilmente removível ou reposicionável sem necessidade de recorrer a cimentos cola.

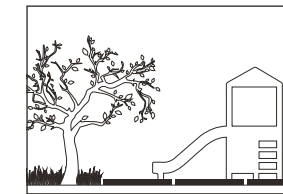
Traz grandes vantagens aquando da aplicação sobre superfícies irregulares dado que permite a resolução de problemas de planaridade da superfície.

Permite ainda a aplicação tradicional com cimento cola para um pavimento de altíssima resistência mecânica.

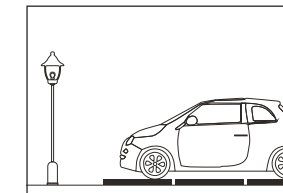


USES

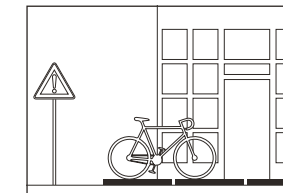
USAGES _ BENUTZUNGEN _ UTILIZAÇÕES



GARDENS AND PUBLIC AREAS
JARDINS ET ESPACES PUBLICS
GÄRTEN UND ÖFFENTLICHE ANLAGEN
JARDINS E ESPAÇOS PÚBLICOS



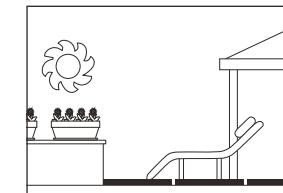
PARKING LOTS
PARKINGS
PARKPLÄTZE
PARQUES DE ESTACIONAMENTO



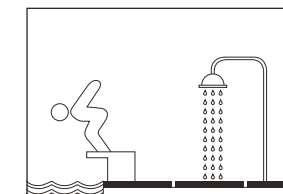
URBAN AREAS
ZONES URBAINES
STÄDTISCHE GEBIETE
ÁREAS URBANAS



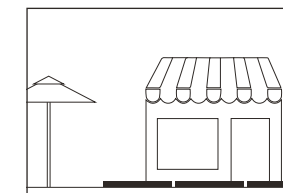
INDUSTRIAL AREAS
ZONES INDUSTRIELLES
INDUSTRIEGEBIETE
ZONAS INDUSTRIAIS



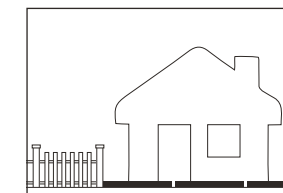
TERRACES
TERRASSES
TERRASSEN
TERRAÇOS



POOL SURROUNDING AREAS
CONTOURS DE PISCINES
BEREICHE IN DER UMGEBUNG VON SCHWIMMBECKEN
ENVOLVENTES DE PISCINA



SEASIDE RESORTS
COMPLEXES BALNÉAIRES
BADEKOMPLEXE UND SEEBÄDER
COMPLEXOS E ESTÂNCIAS BALNEARES



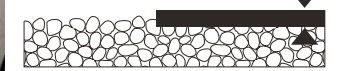
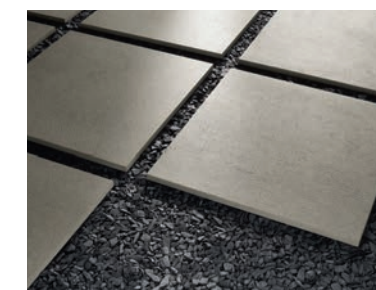
SIDEWALKS AND PEDESTRIAN AREAS
CHAUSSÉE, ZONES PIÉTONNES
BÜRGERSTEIGE, ZUGÄNGE UND ANDERE FUSSGÄNGERZONEN
CALÇADAS, ACESSOS E ZONAS PEDONAIS

INSTALLATIONS

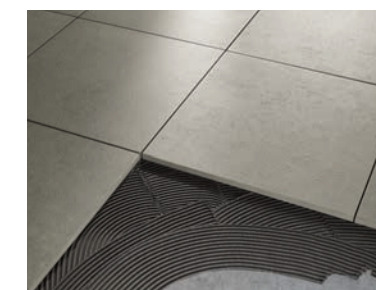
APPLICATIONS _ VERWENDUNGEN _ APLICAÇÕES



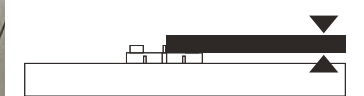
Dry installation over grass
Applications à sec sur gazon
Trockenanwendung auf Rasen
Aplicação a seco sobre relva



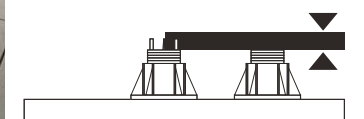
Dry installation over sand or gravel
Applications à sec sur gravillon ou sable
Trockenanwendung auf Kiesel oder Sand
Aplicação a seco sobre cascalho ou areia



Installation over cement or screed using adhesive
Application sur ciment colle
Anwendung mit Klebstoff auf Beton oder Mörtel
Aplicação em cimento ou betonilha com cola



Indoor raised access floor installation
Pose sur plot à l'intérieur
Anwendung in erhöhter Lage in Innenräumen
Aplicação sobreelevada em interiores



Outdoor raised access floor installation
Pose sur plot à l'extérieur
Anwendung in erhöhter Lage in Außenräumen
Aplicação sobreelevada em exteriores



WHITE TL1 E AS

LIGHT GREY TL2 E AS

TORTORA TL3 E AS

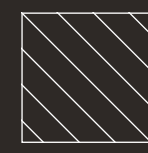
GREY TL4 E AS

GREY TL4 60x60 E AS

20MM

TOOL

P. 55



60x60
E AS



R11

DIN51130



V3

59

BS7976

SHADE VARIATION
DENUANÇAGE
FARBSPIEL
DESTONALIZAÇÃO

SLIPPING RESISTANCE
RÉSISTANCE AU GLISSEMENT
RUTSCHFESTIGKEIT
RESISTÊNCIA AO ESCORREGAMENTO

SPECIAL PIECES

PIÈCES SPÉCIALES _ SPEZIALTEILE _ PEÇAS ESPECIAIS



STRAIGHT EDGE
MARGELLE
STUFENPLATTE
BASE
30x60 _ 12"x24"

É AS P-6490



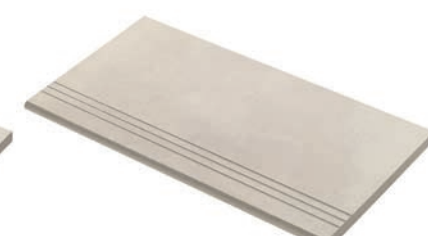
BULLNOSE
MARGELLE ARRONDIE
STUFENPLATTE ABGERUNDET
BASE BOLEADA
30x60 _ 12"x24"

É AS P-6500



STRAIGHT EDGE GROOVED
MARGELLE SILLONNÉE
RILLENSTUFE
BASE SULCADA
30x60 _ 12"x24"

É AS P-6510



BULLNOSE GROOVED
MARGELLE SILLONNÉE ARRONDIE
RILLENSTUFE GERUNDET
BASE SULCADA BOLEADA
30x60 _ 12"x24"

É AS P-6520

SWIMMING POOL EDGES

MARGELLES DE PISCINE _ BECKENRANDSTEINE _ BORDOS DE PISCINA



STRAIGHT EDGE CORNERS
MARGELLES ANGLE DROIT
ECKSTUFE
CANTOS
30x60 _ 12"x24"

É AS P-6620
[sold per two pieces set_vendu à la paire_Paarweise verkaufi_vendida ao par]



BULLNOSE INNER CORNERS
MARGELLES BORD INTÉRIEUR ARRONDI
ABGERUNDETE INNENECKE (GÄRUNG)
CANTOS INTERIOR BOLEADO
30x60 _ 12"x24"

É AS P-6650
[sold per two pieces set_vendu à la paire_Paarweise verkaufi_vendida ao par]



BULLNOSE OUTER CORNERS
MARGELLES BORD EXTÉRIEUR ARRONDI
ABGERUNDETE AUSSENECKE (GÄRUNG)
CANTOS EXTERIOR BOLEADO
30x60 _ 12"x24"

É AS P-6650
[sold per two pieces set_vendu à la paire_Paarweise verkaufi_vendida ao par]



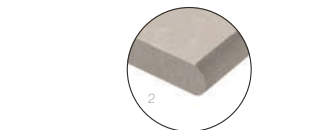
INTERNAL CORNER BULLNOSE
MARGELLE ANGLE Rentrant ARRONDI
ABGERUNDETE INNENECKE
CANTO INTERIOR REDONDO BOLEADO
60x60 _ 24"x24"

É AS P-6670



EXTERNAL CORNER BULLNOSE
MARGELLE ANGLE SORTANT ARRONDI
ABGERUNDETE AUSSENECKE
CANTO EXTERIOR REDONDO BOLEADO
30x30 _ 12"x12"

É AS P-6580



OVERFLOW GRILLE
GRILLE
ÜBERLAUF
GRELHA
15x60 _ 6"x24"

É AS P-6630

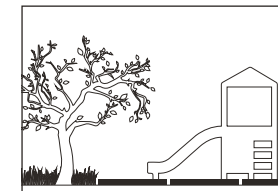


OVERFLOW CORNERS GRILLE
ANGLES GRILLE
ÜBERLAUF ECKE
CANTOS GRELHA
15x60 _ 6"x24"

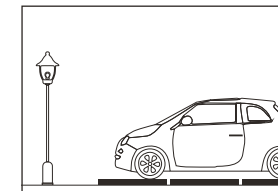
É AS P-6740
[sold per two pieces set_vendu à la paire_Paarweise verkaufi_vendida ao par]

USES

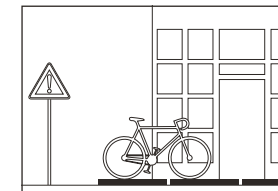
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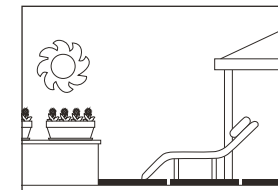
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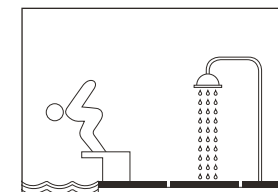
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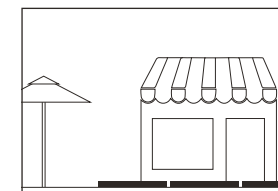
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ZONES INDUSTRIELLES
INDUSTRIEGEBIETE
ZONAS INDUSTRIAIS



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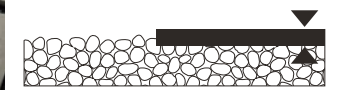
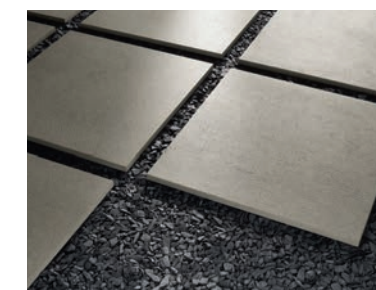
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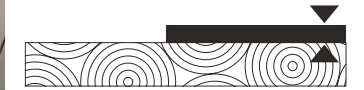
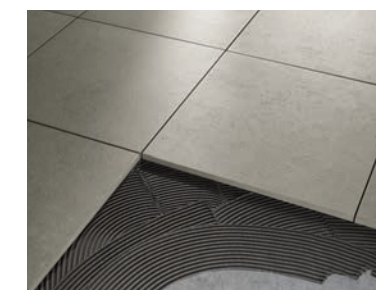
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Dry installation over grass
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Trockenanwendung auf Rasen
Aplicação a seco sobre relva



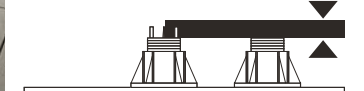
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Indoor raised access floor installation
Pose sur plot à l'intérieur
Anwendung in erhöhter Lage in Innenräumen
Aplicação sobrelevada em interiores















Outdoor raised access floor installation
Pose sur plot à l'extérieur
Anwendung in erhöhter Lage in Außenräumen
Aplicação sobrelevada em exteriores

TOOL

TOOL

TECHNICAL DATA

DONNÉES TECHNIQUES _ TECHNISCHE EIGENSCHAFTEN _ CARACTERÍSTICAS TÉCNICAS

Technical data Données techniques Technische eigenschaften Características técnicas	Directives Normes Normen Normas	EN 14411 Directives values Valeur norme Richtlinie werten Valores norma	TOOL Standard Average Value Valeur Moyenne Typischer Durchschnittswert Valor Típico Médio
 Thickness Épaisseur Stärke Espessura	ISO 10545 - 2	±5%	(max.) (max.) (max.) (max.) ±2% 60x60 E AS 20mm 90x90 NR _ A _ AS 11mm 45x90 NR _ A _ 9,5mm 60x60 NR _ TC _ A 9,5mm
 Modulus of rupture Module de rupture Biegung Modul Módulo de ruptura	ISO 10545 - 4	35N/mm²	(min.) (min.) (min.) (min.) 50N/mm²
 Breaking strength (S) Résistance à la flexion (S) Biegefestigkeit (S) Resistência à flexão (S)	ISO 10545 - 4	≥ 1300 N	60x60 20 mm 11000N 90x90 11 mm 3900N 45x90 9,5 mm 2900N 60x60 9,5 mm 2900N
 Linear thermal expansion coefficient Coefficient de dilatation thermique linéaire Linearer thermischer Ausdehnungskoeffizient Coeficiente de dilatação térmica linear	ISO 10545 - 8	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante	6,5*10 ⁻⁴ /°C (max.)
 Chemical resistance Résistance chimique Chemische Beständigkeit Resistência química	Cahier CSTB 3735	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante	3 No alteration Aucune modification Unverändert Sem alteração
 Frost resistance Résistance au gel Frostbeständigkeit Resistência ao gelo	ISO 10545 - 12	Required Nécessaire Anforderung Exigida	Yes Oui Ja Sim
 Water absorption Absortion d'eau Wasseraufnahme Absorção de água	ISO 10545 - 3	±0,5%	(max.) (max.) (max.) (max.) ± 0,03%
 Deep abrasion resistance Résistance à l'abrasion profonde Widerstand gegen Tiefenverschleiß Resistência à abrasão profunda	ISO 10545 - 6	175mm³	(max.) (max.) (max.) (max.) 123 mm³
 Stain resistance Résistance aux taches Beständigkeit gegen Fleckenbildner Resistência a manchas	ISO 10545 - 14	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante	UGL 4 - 5 Simple removal Enlèvement simple Einfache Entfernung Remoção simples
 Thermal shock resistance Résistance au choque thermique Temperaturwechselbeständigkeit Resistência ao choque térmico	ISO 10545 - 9	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante	Yes Oui Ja Sim
 Slipping resistance Résistance au glissement Trittsicherheit-Rutschfestigkeit Resistência ao escorregamento	DIN51130	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante	AS R11 E AS R11 NR R10
	DIN51097		AS Class C E AS Class C NR Class A
	BS7976		E AS 59 NR 44
 Shade variation Denuançage Farbspiel Destonalização	ANSI 137.1	V0 None _ Null _ Gleich Null _ Nulo V1 Minor _ Léger _ Leicht _ Ligeiro V2 Low _ Faible _ Gering _ Baixo V3 Medium _ Moyen _ Mittelmäßig _ Médio V4 Major _ Élevé _ Stark _ Alto	V3 Moderate variation Variations modérées Mäßige Variationen Variação moderada

CALIBERS

CALIBRES _ KALIBER _ CALIBRES

size (cm) format formate formato	Finishing Finition Fertigung Acabamento	Z	X	V	T	C
90x90	NR_A_AS	-	895,0	890,0	-	-
45x90	NR_A	-	446,5x895,0	444,0x890,0	-	-
60x60	NR_TC_A_AS	-	-	-	599,8	595,0

PACKAGE

EMBALLAGE _ VERPACKUNG _ EMBALAGEM

size format formate formato	box _ boîte _ karton _ caixa			pallet _ palette _ palettE _ palete			pallet dimension _ dimensions des palettes paletten abmessungen _ dimensões paletes		
	sqm m²	pieces pièces stück peças	weight poids gewicht peso [kg]	sqm m²	boxes boîtes kartonen caixas	weight poids gewicht peso [kg]	width largeur breite largura	length longueur laenge comprimento	height hauteur höhe altura
60x60 NR _ A _ TC	1,06	3	23,3	42,40	40	962	80 cm	120 cm	75 cm
60x60 E AS*	0,715	2	33,5	22,886	32	1102	80 cm	120 cm	75 cm
45x90 NR _ A	0,80	2	18,8	35,20	44	857	100 cm	120 cm	60 cm
90x90 NR _ A _ AS	1,60	2	40,6	24,00	15	628	94 cm	94 cm	55 cm
mosaic 5x5 30x30 NR	0,54	6	8,9	-	-	-	-	-	-
mosaic hexagon 24,6x26,6 NR	-	6	7,6	-	-	-	-	-	-
mricks 33x33 NR _ A	-	9	20,0	-	-	-	-	-	-
marra Tool 10x60 NR _ TC	-	15	19,4	-	-	-	-	-	-
insert gold _ silver 10x10	-	20	4,3	-	-	-	-	-	-
step tread grooved 30x60 NR _ A _ TC	-	6	22,6	-	-	-	-	-	-
step tread grooved 60x60 NR _ A _ TC	-	3	24,4	-	-	-	-	-	-
step tread grooved 45x90 NR _ A _ AS	-	2	18,8	-	-	-	-	-	-
step extra thick 30x60 NR _ A _ TC	-	2	10,0	-	-	-	-	-	-
step extra thick corner 30x60 NR _ A _ TC	-	1	5,0	-	-	-	-	-	-
step extra thick inox 30x60 NR _ A _ TC	-	2	8,1	-	-	-	-	-	-
step extra thick inox Corner 30x60 NR _ A _ TC	-	1	5,0	-	-	-	-	-	-
skirting 8x60 NR _ TC _ A	-	13	15,2	-	-	-	-	-	-
skirting 8x90 NR _ A	-	11	17,6	-	-	-	-	-	-



RÉFÉRENCE	DIMENSIONS (MM)		CLASSEMENT
	DIM. PLANES	EP.	
49TL1A	446,5x895,0	9,5	U4 P3 E3 C2
49TL2A	446,5x895,0	9,5	U4 P3 E3 C2
49TL3A	446,5x895,0	9,5	U4 P3 E3 C2
49TL4A	446,5x895,0	9,5	U4 P3 E3 C2
66TL1A	595,0x595,0	9,5	U4 P4 E3 C2
66TL2A	595,0x595,0	9,5	U4 P4 E3 C2
66TL3A	595,0x595,0	9,5	U4 P4 E3 C2
66TL4A	595,0x595,0	9,5	U4 P4 E3 C2
49TL1NR	446,5x895,0	9,5	U4 P3 E3 C2
49TL2NR	446,5x895,0	9,5	U4 P3 E3 C2
49TL3NR	446,5x895,0	9,5	U4 P3 E3 C2
49TL4NR	446,5x895,0	9,5	U4 P3 E3 C2
66TL1NR	595,0x595,0	9,5	U4 P4 E3 C2
66TL2NR	595,0x595,0	9,5	U4 P4 E3 C2
66TL3NR	595,0x595,0	9,5	U4 P4 E3 C2
66TL4NR	595,0x595,0	9,5	U4 P4 E3 C2



REFERENCE REFERÊNCIAS	COLOURS CORES	
66TL1NR	TL1	white
66TL2NR	TL2	light grey
66TL3NR	TL3	tortora
66TL4NR	TL4	grey
66TL1A	TL1	white
66TL2A	TL2	light grey
66TL3A	TL3	tortora
66TL4A	TL4	grey
49TL1NR	TL1	white
49TL2NR	TL2	light grey
49TL3NR	TL3	tortora
49TL4NR	TL4	grey

* Caliber 598x598 mm
* Calibre 598x598 mm
* Kaliber 598x598 mm
* Calibre 598x598 mm

The featured weights are approximate. The quantities of sqm (m²)/pieces per box/palette may exceptionally vary and shall be confirmed by Margres.
Les poids présentés sont approximatifs. Les quantités m²/pièces par boîte/palette peuvent exceptionnellement varier. Nous vous prions donc de bien vouloir confirmer auprès de Margres.
Die angegebenen Gewichte sind Näherungswerte. Die Mengen, m²/Stücke pro Verpackung/Palette können in Einzelfällen abweichen. Sie sollten also von Margres bestätigt werden.
Os pesos apresentados são aproximados. As quantidades m²/peças por caixa/paleta podem excepcionalmente variar, pelo que agradecemos a confirmação junto da Margres.



WHITE SL1 E AS



BEIGE SL2 E AS



TORTORA SL3 E AS



LIGHT GREY SL4 E AS



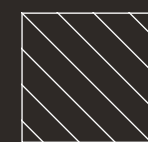
GREY SL5 E AS

BEIGE SL2 60x60 E AS

20MM

SLABSTONE

P. 083



60x60
E AS 20MM



R11

DIN51130



50

BS7976

SHADE VARIATION
DENUANÇAGE
FARBSPIEL
DESTONALIZAÇÃO

SLIPPING RESISTANCE
RÉSISTANCE AU GLISSEMENT
RUTSCHFESTIGKEIT
RESISTÊNCIA AO ESCORREGAMENTO

SPECIAL PIECES

PIÈCES SPÉCIALES _ SPEZIALTEILE _ PEÇAS ESPECIAIS

20MM



STRAIGHT EDGE
MARGELLE
STUFENPLATTE
BASE
30x60 _ 12"x24"
E AS P-6490



BULLNOSE
MARGELLE ARRONDIE
STUFENPLATTE ABGERUNDET
BASE BOLEADA
30x60 _ 12"x24"
E AS P-6500



STRAIGHT EDGE GROOVED
MARGELLE SILLONNÉE
RILLENSTUFE
BASE SULCADA
30x60 _ 12"x24"
E AS P-6510



BULLNOSE GROOVED
MARGELLE SILLONNÉE ARRONDIE
RILLENSTUFE GERUNDET
BASE SULCADA BOLEADA
30x60 _ 12"x24"
E AS P-6520

SWIMMING POOL EDGES

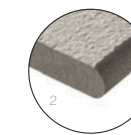
MARGELLES DE PISCINE _ BECKENRANDSTEINE _ BORDOS DE PISCINA



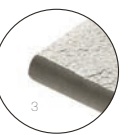
STRAIGHT EDGE CORNERS
MARGELLES ANGLE
ECKSTUFE
CANTOS
30x60 _ 12"x24"
E AS P-6620
[sold per two pieces set_vendu à la paire_Paarweise verkaufi_vendida ao par]



BULLNOSE INNER CORNERS
MARGELLES BORD INTÉRIEUR ARRONDI
ABGERUNDETE INNENECKE (GÄRUNG)
CANTOS INTERIOR BOLEADO
30x60 _ 12"x24"
E AS P-6650
[sold per two pieces set_vendu à la paire_Paarweise verkaufi_vendida ao par]



BULLNOSE OUTER CORNERS
MARGELLES BORD EXTÉRIEUR ARRONDI
ABGERUNDETE AUSSENECKE (GÄRUNG)
CANTOS EXTERIOR BOLEADO
30x60 _ 12"x24"
E AS P-6650
[sold per two pieces set_vendu à la paire_Paarweise verkaufi_vendida ao par]



SLABSTONE

SWIMMING POOL EDGES

MARGELLES DE PISCINE _ BECKENRANDSTEINE _ BORDOS DE PISCINA



INTERNAL CORNER BULLNOSE
MARGELLE ANGLE Rentrant ARRondi
ABGERUNDETE INNENECKE
CANTO INTERIOR REDONDO BOLEADO
60x60 _ 24"x24"

E AS P-6670



EXTERNAL CORNER BULLNOSE
MARGELLE ANGLE SORTANT ARRondi
ABGERUNDETE AUSSENECKE
CANTO EXTERIOR REDONDO BOLEADO
30x30 _ 12"x12"

E AS P-6580



OVERFLOW GRILLE
GRILLE
ÜBERLAUF
GRELHA
15x60 _ 6"x24"

E AS P-6630



OVERFLOW CORNERS GRILLE
ANGLES GRILLE
ÜBERLAUF ECKE
CANTOS GRELHA
15x60 _ 6"x24"

E AS P-6740
[sold per two pieces set_vendu à la paire_Paarweise verkaufi_vendida ao par]

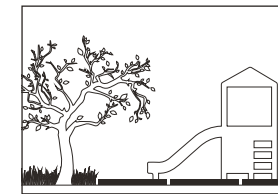
MARGRES
CERAMIC TILES

DIGITEK
PORCELAIN EVOLUTION

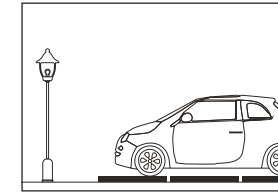
▼
20MM
▲

USES

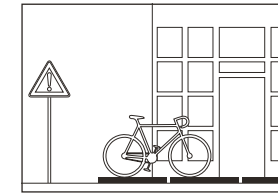
USAGES _ BENUTZUNGEN _ UTILIZAÇÕES



GARDENS AND PUBLIC AREAS
JARDINS ET ESPACES PUBLICS
GÄRTEN UND ÖFFENTLICHE ANLAGEN
JARDINS E ESPAÇOS PÚBLICOS



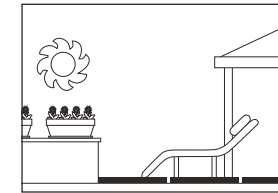
PARKING LOTS
PARKINGS
PARKPLÄTZE
PARQUES DE ESTACIONAMENTO



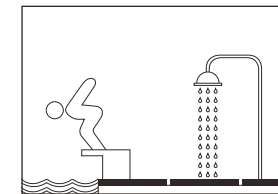
URBAN AREAS
ZONES URBAINES
STÄDTISCHE GEBIETE
ÁREAS URBANAS



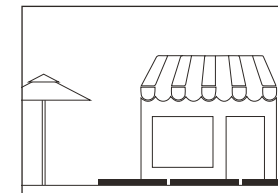
INDUSTRIAL AREAS
ZONES INDUSTRIELLES
INDUSTRIEGEBIETE
ZONAS INDUSTRIAIS



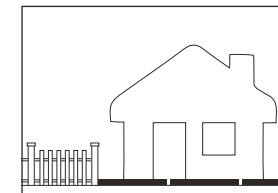
TERRACES
TERRASSEN
TERRASSEN
TERRAÇOS



POOL SURROUNDING AREAS
CONTOURS DE PISCINES
BEREICHE IN DER UMGEBUNG VON SCHWIMMBECKEN
ENVOLVENTES DE PISCINA



SEASIDE RESORTS
COMPLEXES BALNÉAIRES
BADEKOMPLEXE UND SEEBÄDER
COMPLEXOS E ESTÂNCIAS BALNEARES



SIDEWALKS AND PEDESTRIAN AREAS
CHAUSSÉE, ZONES PIÉTONNES
BÜRGERSTEIGE, ZUGÄNGE UND ANDERE FUSSGÄNGERZONEN
CALÇADAS, ACESSOS E ZONAS PEDONAIS

SLABSTONE

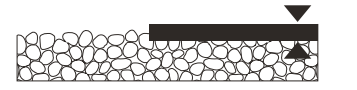
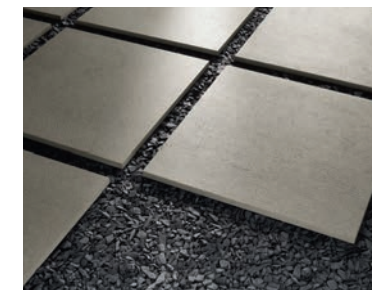
INSTALLATIONS

APPLICATIONS _ VERWENDUNGEN _ APLICAÇÕES

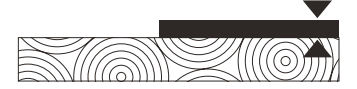
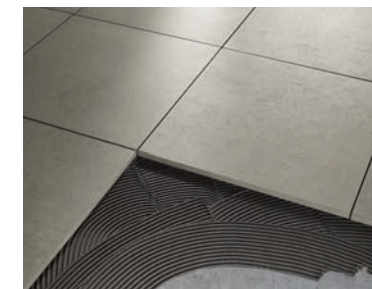
▼
20MM
▲



Dry installation over grass
Applications à sec sur gazon
Trockenanwendung auf Rasen
Aplicação a seco sobre relva



Dry installation over sand or gravel
Applications à sec sur gravillon ou sable
Trockenanwendung auf Kiesel oder Sand
Aplicação a seco sobre cascalho ou areia



Installation over cement or screed using adhesive
Application sur ciment colle
Anwendung mit Klebstoff auf Beton oder Mörtel
Aplicação em cimento ou betonilha com cola



Indoor raised access floor installation
Pose sur plot à l'intérieur
Anwendung in erhöhter Lage in Innenräumen
Aplicação sobrelevada em interiores



Outdoor raised access floor installation
Pose sur plot à l'extérieur
Anwendung in erhöhter Lage in Außenräumen
Aplicação sobrelevada em exteriores

SLABSTONE

MARGRES
CERAMIC TILES

SLABSTONE

TECHNICAL DATA

DONNÉES TECHNIQUES _ TECHNISCHE EIGENSCHAFTEN _ CARACTERÍSTICAS TÉCNICAS

Technical Data Données Techniques Technische Eigenschaften Características Técnicas	Directives Normes Normen Normas	EN 14411 Directives values Valeur norme Richtlinie werten Valores norma	(max.) (max.) (max.) (máx.)	SLABSTONE Standard Average Value Valeur Moyenne Typischer Durchschnittswert Valor Típico Médio
Thickness Épaisseur Stärke Espessura	ISO 10545 - 2	±5%		60x60 E AS 20 mm 90x90 NR_AS 11 mm 45x90 NR 9,5 mm 60x60 NR_A_AS 9,5 mm 30x60 NR 9,5 mm
Modulus of rupture Module de rupture Biegung Modul Módulo de ruptura	ISO 10545 - 4	35N/mm ²	(min.) (min.) (min.)	50N/mm ²
Breaking strength (S) Résistance à la flexion (S) Biegefestigkeit (S) Resistência à flexão (S)	ISO 10545 - 4	≥ 1300 N		60x60 20 mm 11000N 90x90 11 mm 3900N 45x90 9,5 mm 2900N 60x60 9,5 mm 2900N 30x60 9,5 mm 2900N
Linear thermal expansion coefficient Coefficient de dilatation thermique linéaire Linearer thermischer Ausdehnungskoeffizient Coeficiente de dilatação térmica linear	ISO 10545 - 8	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante		6,5*10 ⁻⁴ /°C (max.)
Chemical resistance Résistance chimique Chemische Beständigkeit Resistência química	Cahier CSTB 3735	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante	UGL	3 No alteration Aucune modification Unverändert Sem alteração
Frost resistance Résistance au gel Frostbeständigkeit Resistência ao gelo	ISO 10545 - 12	Required Nécessaire Anforderung Exigida		Yes Oui Ja Sim
Water absorption Absorption d'eau Wasseraufnahme Absorção de água	ISO 10545 - 3	±0,5%	(max.) (max.) (max.) (máx.)	± 0,03%
Deep abrasion resistance Résistance à l'abrasion profonde Widerstand gegen Tiefenverschleiß Resistência à abrasão profunda	ISO 10545 - 6	175mm ³	(max.) (max.) (max.) (máx.)	123 mm ³
Stain resistance Résistance aux taches Beständigkeit gegen Fleckenbildner Resistência a manchas	ISO 10545 - 14	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante	UGL	4 - 5 Simple removal Enlèvement simple Einfache Entfernung Remoção simples
Thermal shock resistance Résistance au choc thermique Temperaturwechselbeständigkeit Resistência ao choque térmico	ISO 10545 - 9	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante		Yes Oui Ja Sim
Slipping resistance Résistance au glissement Trittsicherheit-Rutschfestigkeit Resistência ao escorregamento	DIN51130	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante		AS R11 E AS R11 NR R10
	DIN51097		AS Class C E AS Class C NR Class A	
	BS7976		AS 59 E AS 50 NR 36	
Shade variation Denuançage Farbspiel Destonalização	ANSI 137.1	V0 None _ Nul _ Gleich Null _ Nulo V1 Minor _ Léger _ Leicht _ Ligeiro V2 Low _ Faible _ Gering _ Baixo V3 Medium _ Moyen _ Mittelmäßig _ Médio V4 Major _ Élevé _ Stark _ Alto		V2 Slight variation Variation légère Leichte Variation Ligeira variação

CALIBERS

CALIBRES _ KALIBER _ CALIBRES

Size Format Formate Formato	Finishing Finition Fertigung Acabamento	Z	X	V	T	C	R
30x60	NR	-	-	-	298,9x599,8	296,5x595,0	295,0x592,0
60x60	NR_A_AS	-	-	-	599,8	595,0	592,0
	E AS	-	-	-	599,8	-	-
45x90	NR	-	446,5x895,0	444,0x890,0	-	445,8x893,6	442,0x886,0
90x90	NR_AS	-	895,0	890,0	-	-	-

PACKAGE

EMBALLAGE _ VERPACKUNG _ EMBALAGEM

size format formate formato	box _ boîte _ karton _ caixa			pallet _ palette _ palettE _ paleta			pallet dimension _ dimensions des palettes paletten abmessungen _ dimensões paletes		
	sqm m ²	pieces pièces stück peças	weight poids gewicht peso [kg]	sqm m ²	boxes boîtes kartonen caixas	weight poids gewicht peso [kg]	width largeur breite largura	length longueur laenge comprimento	height hauteur höhe altura
30x60 NR	1,06	6	24,4	42,40	40	1006	80 cm	120 cm	75 cm
60x60 NR_A_AS	1,06	3	23,3	42,40	40	962	80 cm	120 cm	75 cm
60x60 E AS*	0,715	2	33,5	22,886	32	1102	80 cm	120 cm	75 cm
45x90 NR	0,80	2	18,8	35,20	44	857	100 cm	120 cm	60 cm
90x90 NR_AS	1,60	2	40,6	24,00	15	628	94 cm	94 cm	55 cm
mosaic 3,5x3,5 30x30 NR	1,08	12	23,1	-	-	-	-	-	-
bricks 29x49 NR	-	6	24,4	-	-	-	-	-	-
rib 9,5x60 NR	-	7	8,8	-	-	-	-	-	-
step tread grooved 30x60 NR_A_AS	-	6	22,6	-	-	-	-	-	-
step tread grooved 60x60 NR_A_AS	-	3	24,4	-	-	-	-	-	-
step tread grooved 45x90 NR_AS	-	2	18,8	-	-	-	-	-	-
step extra thick 30x60 NR_A	-	2	10,0	-	-	-	-	-	-
step extra thick corner 30x60 NR_A	-	1	5,0	-	-	-	-	-	-
step extra thick inox 30x60 NR_A	-	2	8,1	-	-	-	-	-	-
step extra thick inox corner 30x60 NR_A	-	1	5,0	-	-	-	-	-	-
skirting 8x60 NR_A	-	13	15,2	-	-	-	-	-	-
skirting 8x90 NR	-	11	17,6	-	-	-	-	-	-



RÉFÉRENCE	DIMENSIONS (MM)		CLASSEMENT
	DIM. PLANES	EP.	
36SL1NR	296,5x595,0	9,5	U4 P3 E3 C2
36SL2NR	296,5x595,0	9,5	U4 P3 E3 C2
36SL3NR	296,5x595,0	9,5	U4 P3 E3 C2
36SL4NR	296,5x595,0	9,5	U4 P3 E3 C2
36SL5NR	296,5x595,0	9,5	U4 P3 E3 C2
49SL1NR	446,5x895,0	9,5	U4 P3 E3 C2
49SL2NR	446,5x895,0	9,5	U4 P3 E3 C2
49SL3NR	446,5x895,0	9,5	U4 P3 E3 C2
49SL4NR	446,5x895,0	9,5	U4 P3 E3 C2
49SL5NR	446,5x895,0	9,5	U4 P3 E3 C2
66SL1A	595,0x595,0	9,5	U4 P4+ E3 C2
66SL1AS	595,0x595,0	9,5	U4 P4+ E3 C2
66SL1NR	595,0x595,0	9,5	U4 P4+ E3 C2
66SL2A	595,0x595,0	9,5	U4 P4+ E3 C2
66SL2AS	595,0x595,0	9,5	U4 P4+ E3 C2
66SL2NR	595,0x595,0	9,5	U4 P4+ E3 C2
66SL3A	595,0x595,0	9,5	U4 P4+ E3 C2
66SL3AS	595,0x595,0	9,5	U4 P4+ E3 C2
66SL3NR	595,0x595,0	9,5	U4 P4+ E3 C2
66SL4A	595,0x595,0	9,5	U4 P4+ E3 C2
66SL4AS	595,0x595,0	9,5	U4 P4+ E3 C2
66SL4NR	595,0x595,0	9,5	U4 P4+ E3 C2
66SL5A	595,0x595,0	9,5	U4 P4+ E3 C2
66SL5AS	595,0x595,0	9,5	U4 P4+ E3 C2
66SL5NR	595,0x595,0	9,5	U4 P4+ E3 C2
99SL1NR	895,0895,0	11	U4 P3 E3 C2
99SL2NR	895,0895,0	11	U4 P3 E3 C2
99SL3NR	895,0895,0	11	U4 P3 E3 C2
99SL4NR	895,0895,0	11	U4 P3 E3 C2
99SL5NR	895,0895,0	11	U4 P3 E3 C2

*Caliber 598x598 mm

*Calibre 598x598 mm

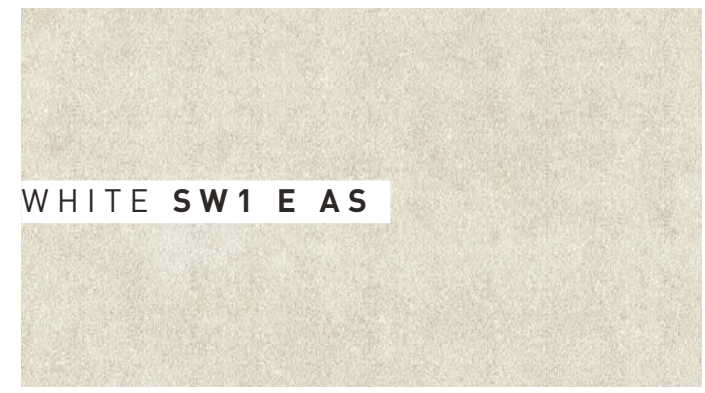
*Kaliber 598x598 mm

*Calibre 598x598 mm

The featured weights are approximate. The quantities of sqm (m²)/pieces per box/palette may exceptionally vary and shall be confirmed by Margres.
Les poids présentés sont approximatifs. Les quantités m²/pièces par boîte/palette peuvent exceptionnellement varier. Nous vous prions donc de bien vouloir confirmer auprès de Margres.
Die angegebenen Gewichte sind Näherungswerte. Die Mengen, m²/Stücke pro Verpackung/Palette können in Einzelfällen abweichen. Sie sollten also von Margres bestätigt werden.
Os pesos apresentados são aproximados. As quantidades m²/peças por caixa/palette podem excepcionalmente variar, pelo que agradecemos a confirmação junto da Margres.



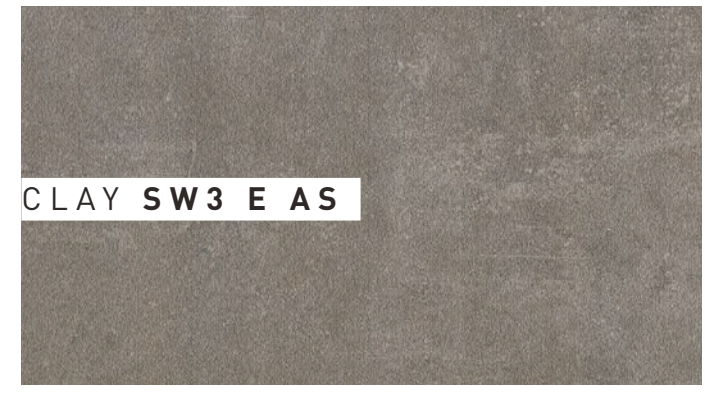
REFERENCE REFERÊNCIAS	COLOURS CORES	
36SL1NR	SL1	white
36SL2NR	SL2	beige
36SL3NR	SL3	tortora
36SL4NR	SL4	light grey
36SL5NR	SL5	grey
66SL1NR	SL1	white
66SL2NR	SL2	beige
66SL3NR	SL3	tortora
66SL4NR	SL4	light grey
66SL5NR	SL5	grey
49SL1NR	SL1	white
49SL2NR	SL2	beige
49SL3NR	SL3	tortora
49SL4NR	SL4	light grey
49SL5NR	SL5	grey



WHITE SW1 E AS



ASH SW2 E AS



CLAY SW3 E AS

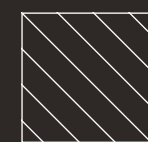


SMOKE SW4 E AS

20MM

SUBWAY

P. 121



60x60
E AS 20MM



R10

DIN51130



V2

48

BS7976

SHADE VARIATION
DENUNÇAGE
FARBSPIEL
DESTONALIZAÇÃO

SLIPPING RESISTANCE
RÉSISTANCE AU GLISSEMENT
RUTSCHFESTIGKEIT
RESISTÊNCIA AO ESCORREGAMENTO

SPECIAL PIECES

PIÈCES SPÉCIALES _ SPEZIALTEILE _ PEÇAS ESPECIAIS



SKIRTING
PLINTHE
SOCKEL
RODAPÉ BOLEADO

8x60 _ 3,2"x24"

NR P-6170
A P-6180

8x90 _ 3,2"x36"

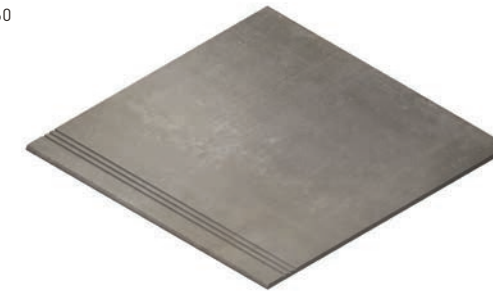
NR P-6260



STEP TREAD GROOVED
NEZ DE MARCHE CREUSÉ
STUFENPLATTE MIT RILLEN
DEGRAU SULCADO

30x60 _ 12"x24"

NR P-6240
A P-6270



STEP TREAD GROOVED
NEZ DE MARCHE CREUSÉ
STUFENPLATTE MIT RILLEN
DEGRAU SULCADO

60x60 _ 24"x24"

NR P-6400
A P-6430



STEP TREAD GROOVED
NEZ DE MARCHE CREUSÉ
STUFENPLATTE MIT RILLEN
DEGRAU SULCADO

45x90 _ 18"x36"

NR P-6430



STEP EXTRA THICK
NEZ DE MARCHE FORTE ÉPAISSEUR
MASSIVE STUFENPLATTE
DEGRAU ESPESSURADO

30x60 _ 12"x24"

NR_A P-6560



STEP EXTRA THICK CORNER*
NEZ DE MARCHE FORTE ÉPAISSEUR ANGLE*
ECKE MASSIVE STUFENPLATTE*
DEGRAU ESPESSURADO CANTO*

30x60 _ 12"x24"

NR_A P-6630



STEP EXTRA THICK INOX
NEZ DE MARCHE FORTE ÉPAISSEUR INOX
MASSIVE STUFENPLATTE INOX
DEGRAU ESPESSURADO INOX

30x60 _ 12"x24"

NR_A P-6580



STEP EXTRA THICK CORNER INOX*
NEZ DE MARCHE FORTE ÉPAISSEUR ANGLE INOX*
ECKE MASSIVE STUFENPLATTE INOX*
DEGRAU ESPESSURADO CANTO INOX*

NR_A P-6650

SWIMMING POOL EDGES

MARGELLES DE PISCINE _ BECKENRANDSTEINE _ BORDOS DE PISCINA



OVERFLOW GRILLE
GRILLE
ÜBERLAUF
GRELHA

15x60 _ 6"x24"

E AS P-6630



OVERFLOW CORNERS GRILLE
ANGLES GRILLE
ÜBERLAUF ECKE
CANTOS GRELHA

15x60 _ 6"x24"

E AS P-6740

(sold per two pieces set_vendu à la paire_Paarweise verkauf_vendida ao par)

*Available in right and left corner
*Disponible dans l'angle droit et gauche
*Erhältlich in der rechten Ecke und links
*Disponível no canto direito e esquerdo

Available in all colour tones
Disponible dans toutes les couleurs
Erhältlich in allen Farben
Disponível em todas as cores

TECHNICAL DATA

DONNÉES TECHNIQUES _ TECHNISCHE EIGENSCHAFTEN _ CARACTERÍSTICAS TÉCNICAS

Technical Data Données Techniques Technische Eigenschaften Características Técnicas	Directives Normes Normen Normas	EN 14411 Directives values Valeur norme Richtlinie werten Valores norma	SUBWAY Standard Average Value Valeur Moyenne Typischer Durchschnittswert Valor Típico Médio
Thickness Épaisseur Stärke Espessura	ISO 10545 - 2	±5%	(max.) ±2%
Modulus of rupture Module de rupture Biegung Modul Módulo de ruptura	ISO 10545 - 4	35N/mm ²	(min.) 50N/mm ²
Breaking strength (S) Résistance à la flexion (S) Biegefestigkeit (S) Resistência à flexão (S)	ISO 10545 - 4	≥ 1300N	45x90 9,5 mm 2900N 60x60 9,5 mm 2900N 60x60 20 mm 11000N 30x60 9,5 mm 2900N
Linear thermal expansion coeficient Coefficient de dilatation thermique linéaire Linearer thermischer Ausdehnungskoeffizient Coeficiente de dilatação térmica linear	ISO 10545 - 8	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante	6,5*10 ⁻⁴ /°C (max.)
Chemical resistance Résistance chimique Chemische Beständigkeit Resistência química	Cahier CSTB 3735	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante	UGL 3 No alteration Aucune modification Unverändert Sem alteração
Frost resistance Résistance au gel Frostbeständigkeit Resistência ao gelo	ISO 10545 - 12	Required Nécessaire Anforderung Exigida	Yes Oui Ja Sim
Water absorption Absortion d'eau Wasseraufnahme Absorção de água	ISO 10545 - 3	±0,5%	(max.) ± 0,03%
Deep abrasion resistance Résistance à l'abrasion profonde Widerstand gegen Tiefenverschleiß Resistência à abrasão profunda	ISO 10545 - 6	175mm ³	(max.) 123 mm ³
Stain resistance Résistance aux taches Beständigkeit gegen Fleckenbildner Resistência a manchas	ISO 10545 - 14	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante	UGL 4 - 5 Simple removal Enlèvement simple Einfache Entfernung Remoção simples
Thermal shock resistance Résistance au choque thermique Temperaturwechselbeständigkeit Resistência ao choque térmico	ISO 10545 - 9	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante	Yes Oui Ja Sim
Slipping resistance Résistance au glissement Trittsicherheit-Rutschfestigkeit Resistência ao escorregamento	DIN51130 DIN51097 BS7976	Manufacturer's standard Valeurs du fabricant Hersteller Werte Valores do fabricante	NR R9 E AS R10 NR Class A E AS 4B
Shade variation Denuançage Farbspiel Destonalização	ANSI 137.1	V0 None _ Nul _ Gleich Null _ Nulo V1 Minor _ Léger _ Leicht _ Ligeiro V2 Low _ Faible _ Gering _ Baixo V3 Medium _ Moyen _ Mittelmäßig _ Médio V4 Major _ Élevé _ Stark _ Alto	V2 Slight variation Variation légère Leichte Variation Ligeira variação

CALIBERS

CALIBRES _ KALIBER _ CALIBRES

Size Format Formate Formato	Finishing Finition Fertigung Acabamento	Z	X	V	T	C	R
30x60	NR	-	-	-	298,9x599,8	296,5x595,0	295,0x592,0
45x90	NR	-	446,5x895,0	444,0x890,0	-	445,8x893,6	442,0x886,0
60x60	NR_A	-	-	-	599,8	595,0	592,0
60x60	E AS	598,0	-	-	599,8	-	-
90x90	NR	-	895,0	890,0	-	-	-

PACKAGE

EMBALLAGE _ VERPACKUNG _ EMBALAGEM

size format formate formato	box _ boîte _ karton _ caixa			pallet _ palette _ palettE _ palete			pallet dimension _ dimensions des palettes paletten abmessungen _ dimensões paletes		
	sqm m ²	pieces pièces stück peças	weight poids gewicht peso [kg]	sqm m ²	boxes boîtes kartonen caixas	weight poids gewicht peso [kg]	width largeur breite largura	length longueur laenge comprimento	height hauteur höhe altura
30x60 NR	1,06	6	24,4	42,40	40	1006	80cm	120cm	75cm
60x60 NR_A	1,06	3	23,3	42,40	40	962	80cm	120cm	75cm
60x60 E AS*	0,715	2	33,5	22,88	32	1102	80cm	120cm	75cm
45x90 NR	0,80	2	18,8	35,20	44	857	100cm	120cm	60cm
90x90 NR	1,60	2	40,6	24,00	15	628	94cm	94cm	55cm
mosaic 3,5x3,5 30x30 NR	1,08	12	23,0	-	-	-	-	-	-
mosaic 3,5x7 30x30 NR	1,08	12	26,3	-	-	-	-	-	-
brick 30x60 NR	-	1	6,0	-	-	-	-	-	-
urban & urban graffiti 90x65,5 NR**	-	1	18,0	-	-	-	-	-	-
industrial gold & industrial silver 45x90	-	2	21,6	-	-	-	-	-	-
metal grid 4x90	-	6	5,4	-	-	-	-	-	-
step tread grooved 30x60 NR_A	-	6	22,6	-	-	-	-	-	-
step tread grooved 60x60 NR_A	-	3	24,4	-	-	-	-	-	-
step tread grooved 45x90 NR	-	2	18,8	-	-	-	-	-	-
step extra thick 30x60 NR_A	-	2	10,0	-	-	-	-	-	-
step extra thick corner 30x60 NR_A	-	1	5,0	-	-	-	-	-	-
step extra thick inox 30x60 NR_A	-	2	8,1	-	-	-	-	-	-
step extra thick inox corner 30x60 NR_A	-	1	5,0	-	-	-	-	-	-
skirting 8x60 NR_A	-	13	15,2	-	-	-	-	-	-
skirting 8x90 NR	-	11	17,6	-	-	-	-	-	-



RÉFÉRENCE	DIMENSIONS (MM)		CLASSEMENT
	DIM. PLANES	EP.	
66SW1A	595,0x595,0	9,5	U3 P3 E3 C2
66SW2A	595,0x595,0	9,5	U2S P3 E3 C2
66SW3A	595,0x595,0	9,5	U2S P3 E3 C2
66SW4A	595,0x595,0	9,5	U2 P3 E3 C2
36SW1NR	296,5x595,0	9,5	U3 P3 E3 C2
36SW2NR	296,5x595,0	9,5	U2S P3 E3 C2
36SW3NR	296,5x595,0	9,5	U2S P3 E3 C2
36SW4NR	296,5x595,0	9,5	U2 P3 E3 C2
49SW1NR	445,8x893,6	9,5	U3 P3 E3 C2
49SW2NR	445,8x893,6	9,5	U2S P3 E3 C2
49SW3NR	445,8x893,6	9,5	U2S P3 E3 C2
49SW4NR	445,8x893,6	9,5	U2 P3 E3 C2
66SW1NR	595,0x595,0	9,5	U3 P3 E3 C2
66SW2NR	595,0x595,0	9,5	U2S P3 E3 C2
66SW3NR	595,0x595,0	9,5	U2S P3 E3 C2
66SW4NR	595,0x595,0	9,5	U2 P3 E3 C2

*Caliber 598x598 mm **Set of 2 pieces
 *Calibre 598x598 mm **Ensemble de 2 pièces
 *Kaliber 598x598 mm **2 Stücke Satz
 *Calibre 598x598 mm **Conjunto de 2 peças

The featured weights are approximate. The quantities of sqm (m²)/pieces per box/palette may exceptionally vary and shall be confirmed by Margres.
 Les poids présentés sont approximatifs. Les quantités m²/pièces par boîte/palette peuvent exceptionnellement varier. Nous vous prions donc de bien vouloir confirmer auprès de Margres.
 Die angegebenen Gewichte sind Näherungswerte. Die Mengen, m²/Stücke pro Verpackung/Palette können in Einzelfällen abweichen. Sie sollten also von Margres bestätigt werden.
 Os pesos apresentados são aproximados. As quantidades m²/peças por caixa/paleta podem excepcionalmente variar, pelo que agradecemos a confirmação junto da Margres.



REFERENCE REFERÊNCIAS	COLOURS CORES	
66SW1NR	SW1	white
66SW2NR	SW2	ash
66SW3NR	SW3	clay
66SW4NR	SW4	smoke
49SW1NR	SW1	white
49SW2NR	SW2	ash
49SW3NR	SW3	clay
49SW4NR	SW4	smoke