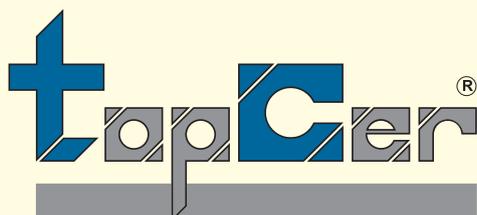

The Choice of Architects



C-Mine - Genk, Belgium



Indústria de Cerâmica, S.A.

ISO 9001 & ISO 14001 Certified

The Choice of Architects

TopCer

Sustainability & Environmental Statement

TopCer has long been committed to environmental friendly operations in the conception, manufacturing and trading of Unglazed Porcelain wall and floor tiles. TopCer ensures sustainability along production processes in accordance with standards and legal requirements, and simultaneously making sure that we meet client's needs and expectations.

Environmental awareness is present throughout all TopCer products lifecycle (please see our [Environmental Product Declaration](http://www.topcer.com/general_data.php) at our website www.topcer.com/general_data.php) namely:

- Best practices adoption of environmental management for continuous improvement and pollution prevention;
- Assuring that all raw materials used in the production process come from environmental conscious suppliers, preferably from suppliers with environmental certification;
- Committing ourselves to reduce energy consumption in all stages of our product life cycle;
- Ensuring that the sludge from water waste treatment and crushed porcelain pieces generated in our manufacturing process are re-used by a licensed waste operator in the production of structural ceramics as these residues due to the technical characteristics of Unglazed Porcelain Tiles cannot be re-integrated in production process;
- Encouraging the recycling of other types of waste in the main areas where they are produced, by disposal bins with appropriate labeling, in order to support and perform the separation of several types of plastic, cardboard and paper, paper and plastic cups, wood, etc. Assuring that the recycling of each type of waste occurs through licensed organizations specialized in respective fields.

TopCer Environmental Management System is certified by ISO 14001 as well as TopCer Quality Management System by ISO 9001.



TopCer

Founded in 1991, TopCer is an established worldwide brand, well known by the quality of their unique and innovative products.

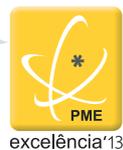
TopCer is specialised in the manufacturing of Unglazed Porcelain Tiles in small modular sizes (10x10, 7.5x15, 15x15, 10x30 and 30x30) in various textures and shapes, complemented by a considerable line of matching trim pieces (49), all available in 30 colours.

The continuous research of traditional sizes, components and patterns used in the last two centuries, led Topcer to develop the collections "Victorian Designs and Borders" and "Contemporaneous Series", which offer traditional and modern innovative designs, back mesh mounted in modular sheets. These made possible in some markets to develop specific niches for their use in Palaces, Museums, Hotels, Restaurants and Pubs, Cruise Ships, private homes, restoration of old floors, etc.

TopCer tiles, due to their high breaking strength, resistance to wear frost and non-slipping properties, are mostly used in all type of highly demanding areas.



Carlos R. Miguel
Managing Director, TopCer



Colour Program



Colour's accuracy is limited by the print of this catalogue.

Stock Availability

[standard thickness 8 – 8.5 mm]

SERIES	COLOURS	SIZES										
		RC 10x10	DD 10x10	RT 10x10	SS 10x10	SS 10x10	SS 10x10	SS 10x10	RT 7.5x15	RT 10x30	RT 30x30	RT 30x30
Series 1	01	Beige	●	●	●	●	●	●	●	●	●	●
	02	Speckled Grey	●	●	●	●	○	○	○	○	○	○
	03	Yellow	●	●	●	●	●	●	●	●	●	○
	05	Old Rose	●	●	●	●	●	●	○	○	○	○
	06	Light Grey (Brown.)	●	●	●	●	●	●	●	●	●	●
	08	Granite Rose	●	●	●	●	○	○	○	○	○	○
	09	Granite Grey	●	●	●	●	○	○	○	○	○	○
	17	Speckled Brown	●	●	●	●	○	○	●	●	●	●
	Series 2	10	Granite Burgundy	●	●	●	●	○	○	○	○	○
24		Speckled Black/White	●	●	●	●	○	○	○	●	●	●
Series 3	07	Light Grey (Blue)	●	●	●	●	●	●	●	●	●	●
	12	Granite Blue	●	●	●	●	○	○	○	○	○	○
	14	Black	●	●	●	●	●	●	●	●	●	●
	16	White	●	●	●	●	●	●	●	●	●	●
	19	Pink	●	●	●	●	●	●	●	●	●	○
	20	Brick-red	●	●	●	●	●	●	●	●	●	●
	21	Ochre Yellow	●	●	●	●	●	●	●	●	●	●
	22	Granite Green	●	●	●	●	○	○	○	○	○	○
	26	Speckled White	●	●	●	●	○	○	○	●	●	●
	28	Light Green	●	●	●	●	●	●	○	●	●	○
30	Dark Grey	●	●	●	●	●	●	●	●	●	●	
Series 4	04	Caramel	●	●	●	●	●	●	●	●	●	●
	13	Turquoise	●	●	●	●	●	●	●	●	●	○
	15	Medium Grey	●	●	●	●	●	●	●	●	●	●
	27	Light Blue	●	●	●	●	●	○	○	○	○	○
	29	Coffee Brown	●	●	●	●	●	●	●	●	●	●
Series 5	11	Blue (Cobalt)	●	●	●	●	●	●	●	●	●	●
	18	Dark Green	●	●	●	●	●	●	●	●	●	○
	23	Speckled Yellow	●	●	●	●	○	○	○	○	○	○
	25	Yellow (Lemon)	●	●	●	●	●	○	○	○	○	○

● Means that we carry regular stocks. Orders are accepted for the minimum quantity of 1 carton.

○ Means that colour is not available in the above sizes/textures/thickness but can become available at request subjected to a minimum order quantity of 500 m² (Customers must purchase any extra materials obtained in 1st quality for these customised orders, until the maximum of 10% of the ordered quantity).

If there is an enquiry for a small quantity of a specific colour/size/texture/thickness/shape that is not in the above list of regular stocks, please contact us to check if there is any material left from past productions.



Sizes & Shapes Smooth Textures

M(cm) / W(mm)

10 x 10 Loose



96x96x8

10 x 10 on mesh
Sheet 30x30 (4 mm joint)



296x296x8

10 x 10 Octagon



96x96x8

10 x 10 Octagon with Dot 3x3
Sheet 30x30 (4 mm joint)



296x296x8

10 x 10 Hexagon



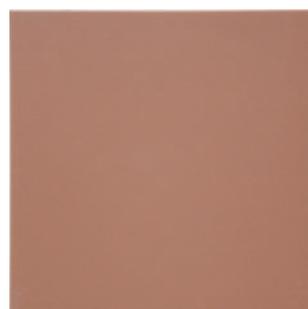
100x115x8

10 x 30



96x296x8

30 x 30



296x296x8.5

7.5 x 15



71x146x8

15 x 15



146x146x8 146x146x12 ^(*)

Sizes Textures Surfaces

M(cm) / W(mm)

RT

10 x 10



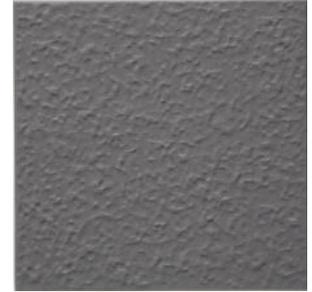
96x96x8.5

15 x 15



146x146x8.5

30 x 30



296x296x8.5

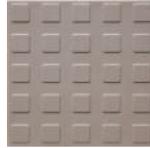
SS

10 x 10



96x96x8.5

15 x 15



146x146x8.5

RC

10 x 10



96x96x8.5

15 x 15



146x146x8.5

DD

10 x 10



96x96x8.5

15 x 15



146x146x8.5

30 x 30



296x296x8.5

R 

10 x 10



96x96x8

15 x 15



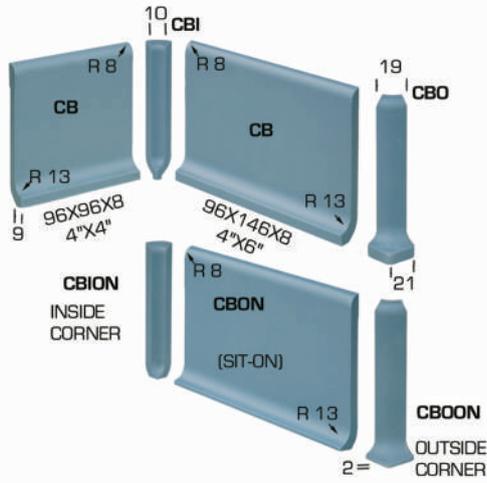
146x146x8

 146x146 at 12mm thickness and R surface is not available in stock. Orders are accepted for a minimum quantity of 500 sq.mt, subjected to the purchase of all material obtained in first quality till maximum of 10% of ordered quantity.

Trim Pieces

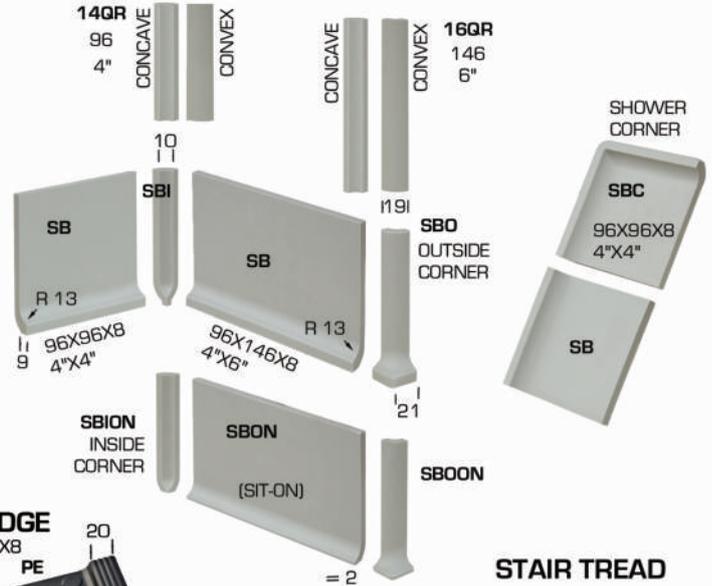
(mm)

COVE BASE

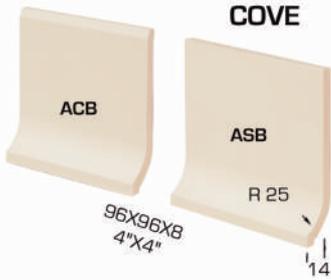


SANITARY COVE BASE

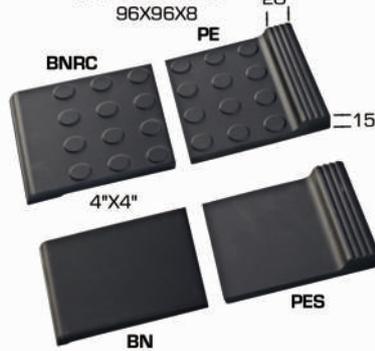
WALL ANGLES
(QUARTER ROUND)
(reversible)



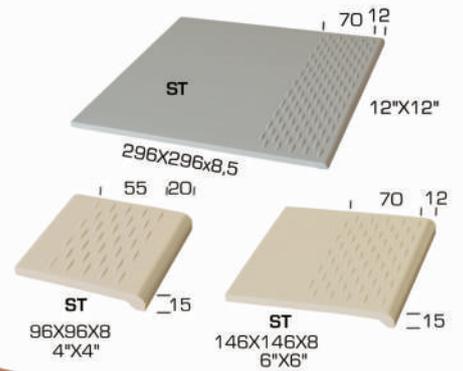
AUSTRALIAN COVE



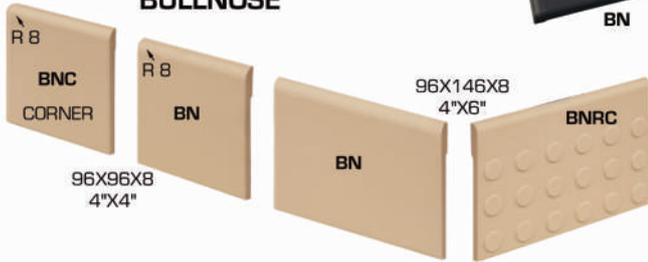
POOL EDGE



STAIR TREAD

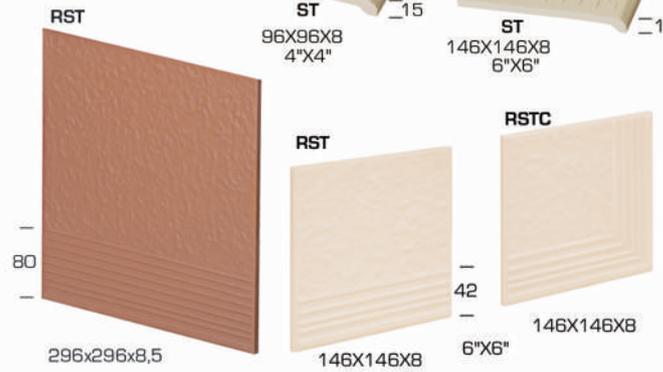
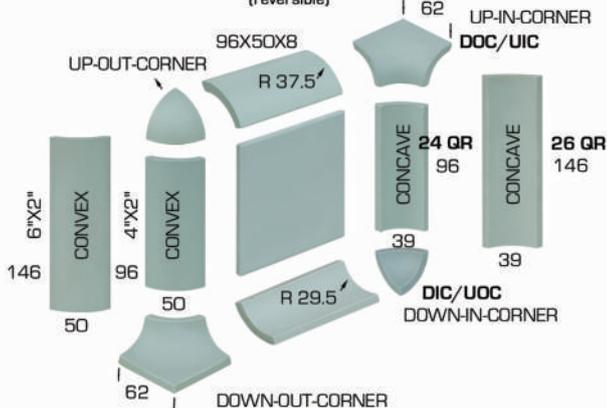


BULLNOSE

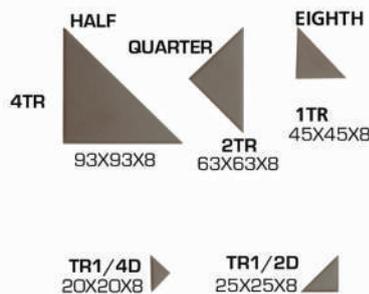


QUARTER ROUND

(reversible)



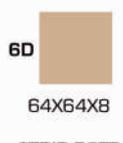
TRIANGLE



LOZENGE



SQUARE



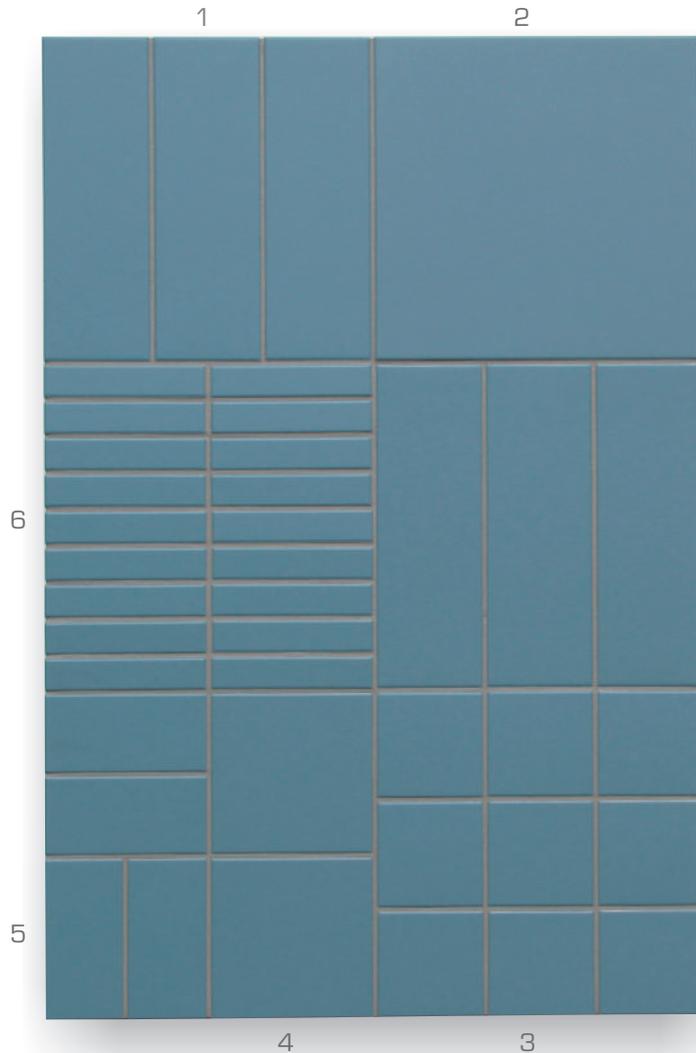
STRIP 6STP



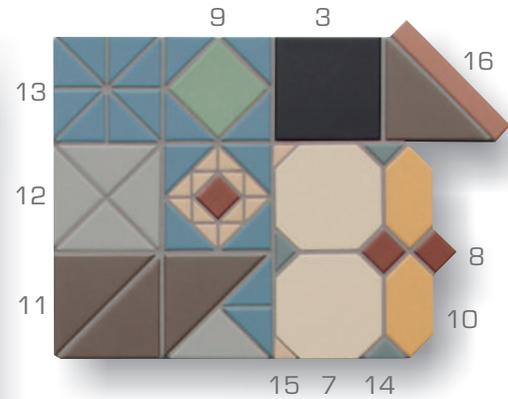
NOTE: Trim Pieces are intended to be used as finishing pieces, matching only with TOPCER field tiles.

Modular Sizes

(4mm standard joints)



- 1 - 4"x12" – 10x30 [96x296x8mm]
- 2 - 12"x12" – 30x30 [296x296x8.5mm]
- 3 - 4"x4" – 10x10 [96x96x8mm]
- 4 - 6"x6" – 15x15 [146x146x8mm]
- 5 - 3"x6" – 7,5x15 [71x146x8mm]
- 6 - 6STP – 29x146x8mm [MIAMI 30x30]



- 7 - OCT – 10x10 [96x96x8mm]
- 8 - 3D – 29x29x8mm
- 9 - 6D – 64x64x8mm
- 10 - LZ – 96x44x8mm
- 11 - 4TR – 93x93x8mm
- 12 - 2TR – 63x63x8mm
- 13 - 1TR – 45x45x8mm
- 14 - TR1/2D – 25x25x8mm
- 15 - TR1/4D – 20x20x8mm
- 16 - 5STP – 21x137x8mm



OPZ - Geel, Belgium



C-Mine - Genk, Belgium



WZC Menos - Genk, Belgium



St. Joseph Hospital - Berlin, Germany

Smooth



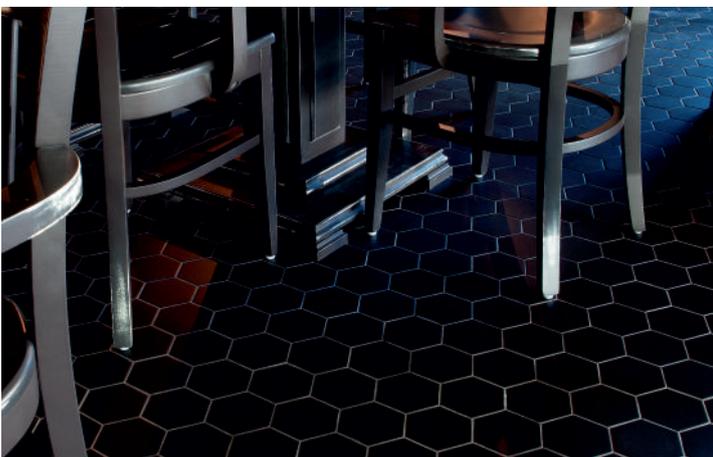
Telenet HQ - Mechelen, Belgium



Restaurant Bar, Sweden



Boulangerie Paul - Orly, France



Pivovar - Kaliningrad, Russia



Nando's Restaurant - Colchester, UK



Lido, Latvia



Fruehauf, Germany

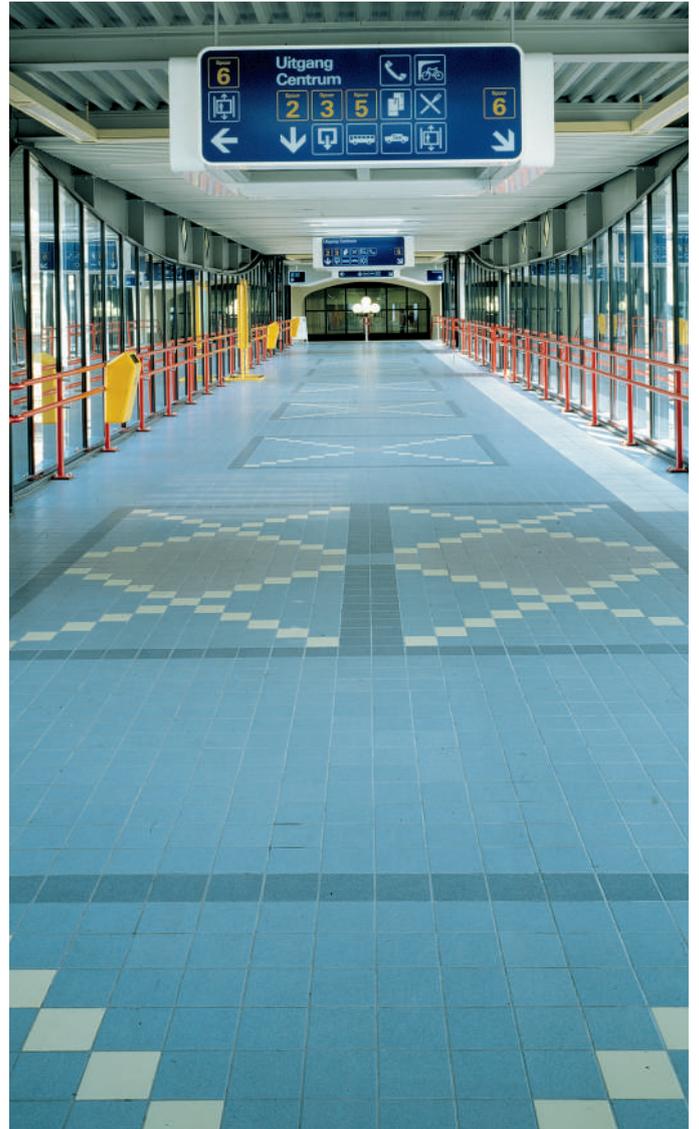
Smooth



Fire brigade premises - Lisse, the Netherlands



Cabrillo Boulevard - Santa Barbara, CA - USA



Woerden station, the Netherlands



Headquarters "Gasuni" - Groningen, the Netherlands



Youth Hostel - Kortrijk, Belgium



Private residence - Milan, Italy



Restaurant Vertigo - New York, USA



Casa da Música - Oporto, Portugal



Comprehensive school - Utrecht, the Netherlands



Gelredome Stadium - Arnhem, the Netherlands

Textured



Municipal Swimming Pool - Nordhausen, Germany



Swimming Pool Complex - Aulanko, Finland



Municipal Swimming Pool - Tammisaari, Finland



Kinsmead Pool, UK



Thermal Spa - Luso, Portugal



Caribia Hotel - Turku, Finland



Thermal Spa - Cabeço de Vide, Portugal



Mariebad Spa & Bad - Alands, Finland



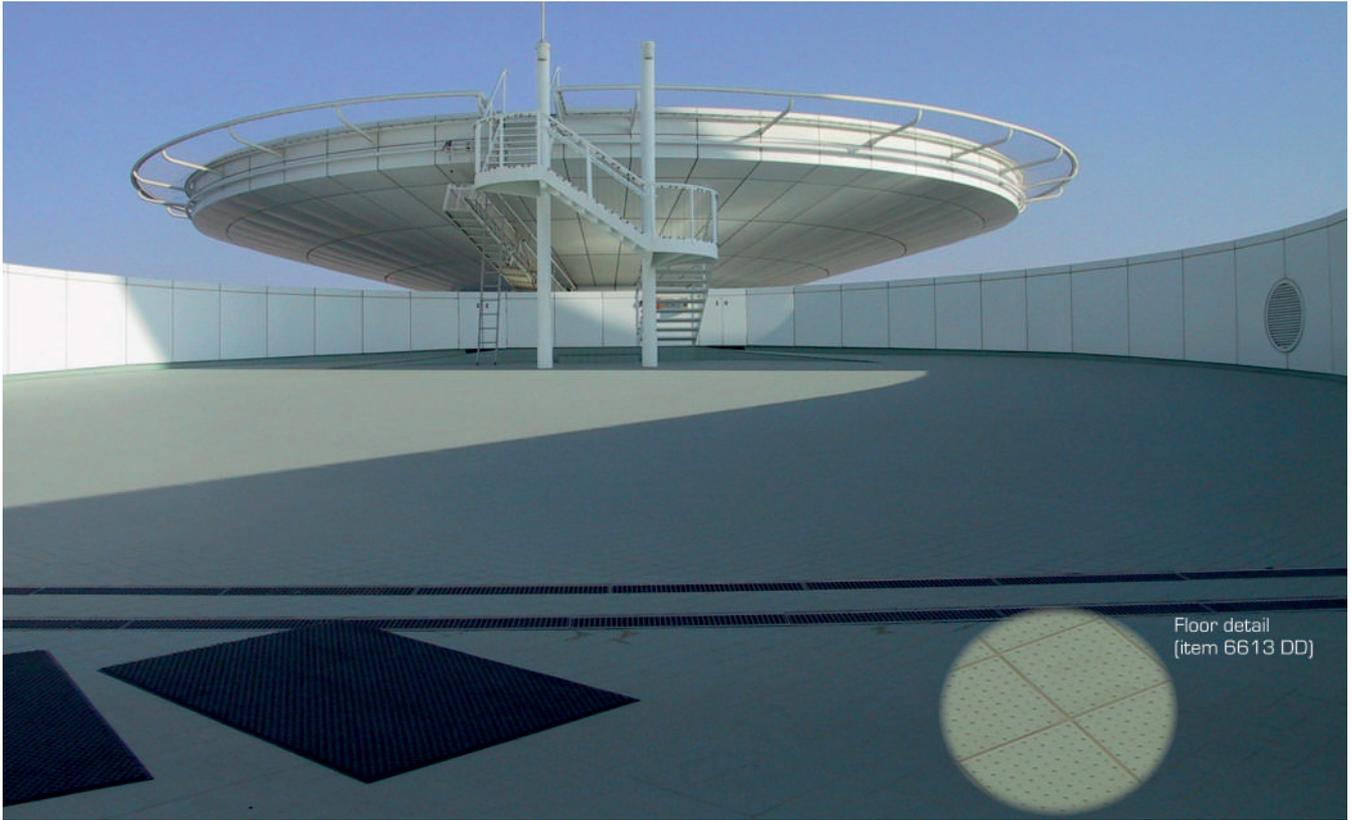
Swimming Pool Complex - Ulvila, Finland



Swimming Pool Complex - Someron, Finland



Swimming Pool Complex - Someron, Finland



Burj Al Arab Helipad - Dubai, UAE



Centro Mariano - Fátima, Portugal

Packing

THICKNESS	CARTON / BOX				PALLET				
	Sizes	Pieces	Sq.mts	Sheets 30x30	Measurements (cm)	Cartons	Sq.mts	Gross Weight (kgs)	
8 mm	10x10 4"x4"	Mesh mounted							
		SMOOTH	126	1.26	14	120x100x78 H (B)	60	75.60	1320
		DD	"	"	"	"	"	"	1250
		RC	"	"	"	"	"	"	1280
		RT	"	"	"	"	"	"	1280
		SS	"	"	"	"	"	"	1290
		OCT with DOT	"	"	"	120x100x94 H (B)	54	68.04	1150
		Loose							
		SMOOTH	100	1.00	-	120x80x65 H (A)	60	60	1040
		OCT	"	"	-	"	"	"	950
		DD	"	"	-	120x80x75 H (A)	"	"	980
		RC	"	"	-	"	"	"	1010
	RT	"	"	-	"	"	"	1010	
	SS	"	"	-	"	"	"	1020	
	HEXAGON	"	0.92	-	120x80x80 H (A)	54	49.68	910	
	12 mm	7.5x15 3"x6"	Loose						
		SMOOTH	100	1.125	-	120x80x75 H (A)	60	67.50	1190
		15x15 6"x6"	Loose						
SMOOTH			50	1.125	-	120x80x75 H (A)	60	67.50	1200
DD			"	"	-	120x80x90 H (A)	65	73.125	1290
RC			"	"	-	"	"	"	1340
RT			"	"	-	"	"	"	1320
SS			"	"	-	"	"	"	1340
Loose									
SMOOTH		34	0.765	-	120x80x75 H (A)	60	45.9	1220	
DD		36	0.81	-	120x80x90 H (A)	65	52.65	1340	
RC		"	"	-	"	"	"	1350	
RT	"	"	-	"	"	"	1380		
SS	"	"	-	"	"	"	1390		
8 mm	10x30 4"x12"	Loose							
	SMOOTH	34	1.02	-	120x80x75 H (A)	60	61.2	1070	
	30x30 12"x12"	Loose							
		SMOOTH	11	0.99	-	120x80x75 H (A)	60	59.40	1170
								1120	

THICKNESS	Sizes	20 FEET CONTAINER				TRUCK / CAMION			
		19 tons		21.5 tons		24 tons			
		Pallet	Sq.mts.	Pallet	Sq.mts.	Pallet	Sq.mts.		
8 mm	10x10 4"x4"	Mesh mounted							
		SMOOTH, DD, RC, RT, SS		14 (B)	1058.4	16 (B)	1209.6	18 (B)	1360.8
		Loose							
		SMOOTH		18 (A)	1080	21 (A)	1260	23 (A)	1380
	DD, RC, RT, SS		18 (A)	1080	21 (A)	1260	23 (A)	1380	
	7.5x15 / 3"x6" 15x15 / 6"x6"	Loose							
		SMOOTH		16 (A)	1080	18 (A)	1215	20 (A)	1350
	15x15 6"x6"	Loose							
		DD, RC, RT, SS		14 (A)	1023.75	16 (A)	1170	18 (A)	1316.25
	10x30 4"x12"	Loose							
SMOOTH		18 (A)	1101.6	20 (A)	1224	22 (A)	1346.4		
30x30 12"x12"	Loose								
	SMOOTH, RT		16 (A)	950.4	18 (A)	1069.2	20 (A)	1188	

Detailed packing of all TopCer products is available at www.topcer.com/general_data.php (detailed packing)

(A) EUR size 120x80 27 Kg
(B) EUR 2 / EUR 3 size 120x100 30 Kg



Technical Data

Unglazed porcelain tiles – ISO 13006 and EN 14411 - Annex G - Group Bla							
SIZES:	M(=N)	10x10	10x30	7.5x15	15x15	30x30	DESIGNING COMPONENTS ^{a)}
	W	96x96x8	96x296x8	71x146x8	146x146x8	296x296x8.5	
a) Including 6STP (W29x146x8), 5STP (W21x137x8), 6D (W64x64x8), 3D (W29x29x8), LZ (W96x44x52x8), TR (W93x93x8, W64x64x8, W45x45x8, W25x25x8 y W20x20x8)							
PHYSICAL PROPERTIES		TEST STANDARD	REQUIREMENTS		TOPCER VALUE		
DIMENSION AND SURFACE QUALITY:			Area $\leq 49 \text{ cm}^2$ or $N < 7 \text{ cm}$	7 cm $\leq N < 15 \text{ cm}$	$N \geq 15 \text{ cm}$		
Length and width	ISO 10545-2	$\pm 0,5\text{mm}$	$\pm 0,9\text{mm}$	$\pm 0,6\% / \pm 2,0\text{mm}$	Conforms		
Thickness	ISO 10545-2	No testing	$\pm 0,5\text{mm}$	$\pm 5,0\% / \pm 0,5\text{mm}$	Conforms		
Straightness of sides	ISO 10545-2	No testing	$\pm 0,75\text{mm}$	$\pm 0,5\% / \pm 1,5\text{mm}$	Conforms		
Rectangularity	ISO 10545-2	No testing	$\pm 0,75\text{mm}$	$\pm 0,5\% / \pm 2,0\text{mm}$	Conforms		
Surface flatness, (curvature and warpage)	ISO 10545-2	No testing	$\pm 0,75\text{mm}$	$\pm 0,5\% / \pm 2,0\text{mm}$	Conforms		
Surface quality	ISO 10545-2		$\geq 95\%$		Conforms		
PRODUCT QUALITY AND DURABILITY:							
Water absorption	ISO 10545-3		$\leq 0,5\%$		$\leq 0,1\%$		
Breaking strength	ISO 10545-4		$\geq 1300 \text{ N}$		$\geq 1800 \text{ N}$		
Modulus of rupture	ISO 10545-4		$\geq 35 \text{ N/mm}^2$		$\geq 50 \text{ N/mm}^2$		
Impact resistance	ISO 10545-5		Declared Value		No visible defects		
Resistance to deep abrasion (unglazed tiles)	ISO 10545-6		$\leq 175 \text{ mm}^3$		123 mm^3		
Coefficient of linear thermal expansion	ISO 10545-8		Declared Value		$5,6 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$		
Thermal shock resistance	ISO 10545-9		No visible defects		Conforms		
Moisture expansion	ISO 10545-10		Declared Value		$< 0,1 \text{ mm/m}$		
Frost resistance	ISO 10545-12		No visible defects		Conforms		
Resistance to chemicals	ISO 10545-13		No visible defects		Conforms		
Resistance to staining	ISO 10545-14		No permanent staining		Conforms		
SLIP RESISTANCE: (For the designing components, the slip resistance is equal or better than size 10x10 smooth)							
Areas with footwear	Dynamic Coefficient of Friction (DCOF)						
			VALUES:				
	ASTM - ANSI A 137.1-2012 (INTERTEK - CA)	0.62	10x10 / 4"x4 Plain Finish (smooth)	0.65	10x10 / 4"x4 Riven (RT) finish		
	AS 4586:2013 Appendix B (ATTAR - AU)	0.65	10x10 / 4"x4 Plain Finish (smooth)				
	Wet Pendulum Slip Resistance						
	AS 4586:2013 Appendix A (ATTAR - AU)	47	10x10 / 4"x4 Plain Finish (smooth)				
	Pendulum						
			VALUES:				
			DRY	WET	SIZES / SURFACE TEXTURE		
			60	37	10x10 / 15x15 Plain finish (smooth)		
		61	53	15x15 Riven (RT) finish			
		67	54	15x15 Square studs (SS) finish			
		81	70	15x15 Round studs (RC) finish			
		87	72	15x15 Diamond studs (DD) finish			
		USRV	Class	SIZES / SURFACE TEXTURE			
		25	1	10x10, 15x15, 30x30 Plain finish (smooth)			
		48	3	30x30 Dies lined with spec. rubber (R) Plain finish			
		42	2	10x10 / 15x15 Dies lined with spec. rubber (R) Plain finish			
		46	3	10x10 Riven (RT) finish			
		52	3	15x15 Riven (RT) finish			
		55	3	10x10 Square studs (SS) finish			
		48	3	15x15 Square studs (SS) finish			
		52	3	10x10 Round studs (RC) finish			
		56	3	15x15 Round studs (RC) finish			
		49	3	10x10 Diamond studs (DD) finish			
		59	3	15x15 Diamond studs (DD) finish			
		Ramp Test			VALUES:		
		$6^\circ \leq R9 \leq 10^\circ$	30x30 Plain finish (smooth)				
		$10^\circ < R10 \leq 19^\circ$	10x10 (also Hexagon and Octagon) / 10x30 / 15x15 Plain finish (smooth)				
		$19^\circ < R11 \leq 27^\circ$	10x10 / 15x15 Square studs (SS) and in Round studs (RC)				
			30x30 Rubber (R), 30x30 Riven (RT)				
		27°	$R12 \leq 35^\circ$	10x10 / 15x15 Riven (RT) and in Diamond studs (DD)			
Displacement volume / Expulsion space	DIN 51130/BGR 181 (HS-KOBLENZ - DE)	V5	15x15 Square studs (SS) and Riven (RT)				
		V6	10x10 Square studs (SS) and Riven (RT), 15x15 Round studs (RC)				
		V7	15x15 Diamond studs (DD)				
		V8	10x10 Round studs (RC)				
Areas with bare-footed	DIN 51097 (HS-KOBLENZ - DE) (HS-KOBLENZ - DE) (CERAM - UK) (CERAM - UK) (HS-KOBLENZ - DE)	$12^\circ \leq A < 18^\circ$	30x30 Plain finish (smooth)				
		$18^\circ \leq B < 24^\circ$	10x10 (also Hexagon and Octagon) / 10x30 / 15x15 Plain finish (smooth)				
			30x30 Rubber (R), 30x30 Riven (RT)				
		$18^\circ \leq B < 24^\circ$	10x10 / 15x15 Plain finish (smooth)				
		$C \geq 24^\circ$	15x15 Round studs (RC)+Diamond studs (DD)+Riven (RT)+Square studs (SS)				
		$C \geq 24^\circ$	10x10 / 15x15 Round studs (RC)+Diamond studs (DD)+Riven (RT)+Square studs (SS)				

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Pressing



Firing



Lab control & testing



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EXPORT OFFICE:

Largo da Estação, 8 - 2^ª Fte - 2750-340 Cascais • Portugal
Tel. +351 214 844 788/9 - Fax +351 214 841 091
Email: LX@topcer.com

FACTORY:

Rua do Monte Grande 10,
Zona Industrial de Oitã - 3770-068 Oitã • Portugal
Tel. +351 234 722 395 - Fax +351 234 722 397
Email: av@topcer.com

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