



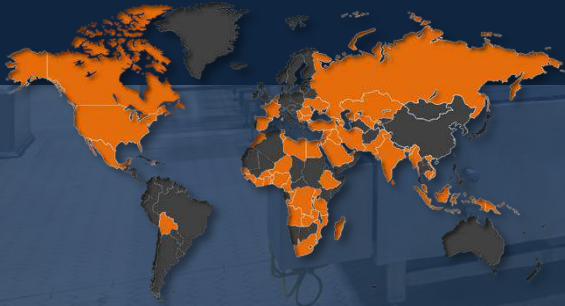
TEKSER

TECHNICAL CERAMICS

INDUSTRIAL FLOOR & PanelGUARD APPLICATIONS



" The Expert Solution Partner in Industrial
Ceramic Applications Since 1980..."

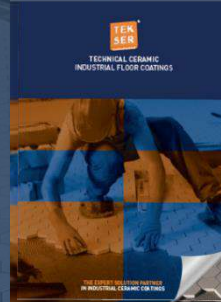


60+ REFERENCE COUNTRIES

Click the map for the full list

CATALOG & BROCHURES

VIDEOS



TEKSER Company
Online Catalogue



Seamless Floor Systems
(Resin Based)



TEKSER
Company Intro

INDUSTRIAL & HYGIENIC FLOOR APPLICATIONS

PanelGUARD®

WALL & PANEL PROTECTION APPLICATIONS



PanelGUARD®
Online Catalogue



PanelGUARD® System
Installation Steps



"The final stage reached in Industrial Ceramic Flooring."





PowerHEX[®] The final stage reached in industrial ceramic flooring.



PowerHEX[®] Everything that is expected from an industrial floor...



PowerHEX[®] A hygienic, decorative and highly durable industrial floor solution



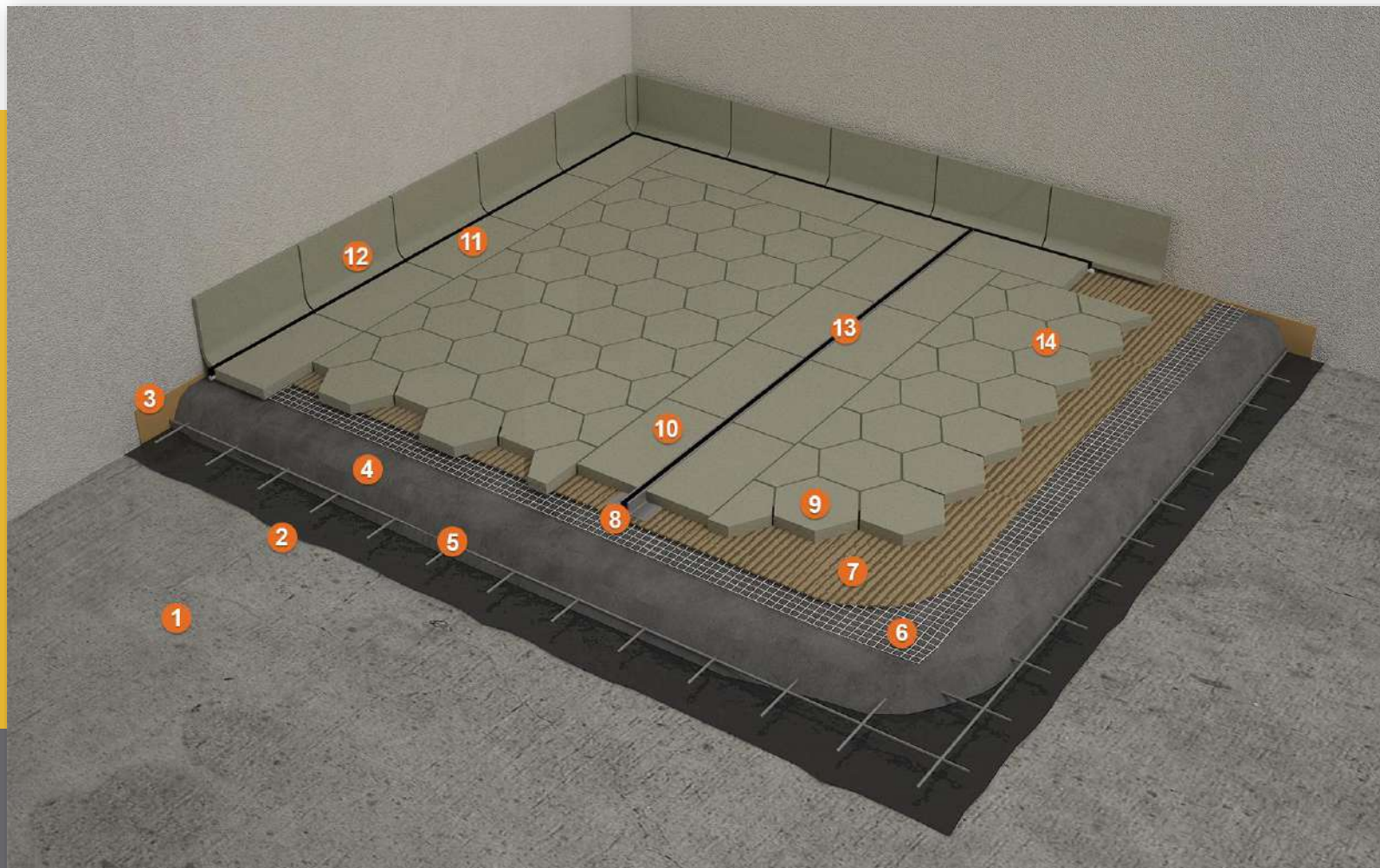
PowerHEX[®] Everything that is expected from an industrial floor...



PowerHEX[®] Everything that is expected from an industrial floor...



PowerHEX[®] Everything that is expected from an industrial floor...



PowerHex[®]
System Elements

- | | | |
|---------------------------------|--|---------------------------------------|
| 1 EXISTING CONCRETE SLAB | 6 FIBRE MESH REINFORCEMENT | 11 FULLY VITRIFIED COVBASE TILE |
| 2 POLYETHYLENE FOIL | 7 TECHNO [®] EPOXY ADHESIVE | 12 FULLY VITRIFIED SKIRTING TILE |
| 3 EXPANSION STRIP | 8 HEAVY DUTY STAINLESS STEEL EXPANSION JOINT | 13 MASTIC EXPANSION JOINT |
| 4 SPECIAL LEVELLING SCREED | 9 FULLY VITRIFIED HEXAGON TILE | 14 TECHNOFLO [®] EPOXY GROUT |
| 5 STEEL WIRE MESH REINFORCEMENT | 10 FULLY VITRIFIED BORDER TILE | |

EFD-FD SYSTEMS

"The right choice for durable and long-lasting floors."





EFD System application with Vibration Tiling System.



EFD System application with Vibration Tiling System & PanelGUARD® applications.



FD System application with Vibration Tiling System.



EFD System application with Vibration Tiling System & PanelGUARD® application.

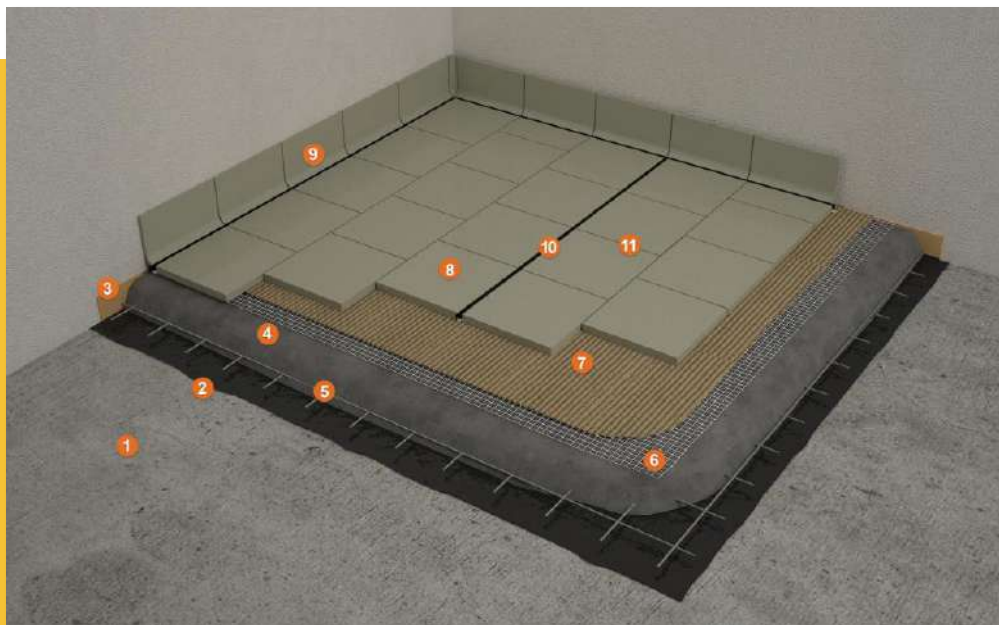


EFD System application with Vibration Tiling System & PanelGUARD® application.



EFD System application with Vibration Tiling System & PanelGUARD® application.

EFD SYSTEM



- 1 EXISTING CONCRETE SLAB
- 2 POLYETHYLENE FOIL
- 3 EXPANSION STRIP
- 4 SPECIAL LEVELLING SCREED
- 5 STEEL WIRE MESH REINFORCEMENT
- 6 FIBRE MESH REINFORCEMENT

- 7 TECHNO® EPOXY ADHESIVE
- 8 FULLY VITRIFIED SQUARE TILE
- 9 FULLY VITRIFIED BORDER TILE
- 10 MASTIC EXPANSION JOINT
- 11 TECHNOFLO® EPOXY GROUT



EFD System
Non-Bonded
Installation Steps

FD SYSTEM



- 1 EXISTING CONCRETE SLAB
- 2 POLYETHYLENE FOIL
- 3 EXPANSION STRIP
- 4 SPECIAL LEVELLING SCREED
- 5 STEEL WIRE MESH REINFORCEMENT

- 6 TECHNO® EPOXY ADHESIVE
- 7 FULLY VITRIFIED SQUARE TILE
- 8 FULLY VITRIFIED BORDER TILE
- 9 MASTIC EXPANSION JOINT
- 10 TECHNOFLO® EPOXY GROUT



FD System
Non-Bonded
Installation Steps

APPLICATION DETAILS

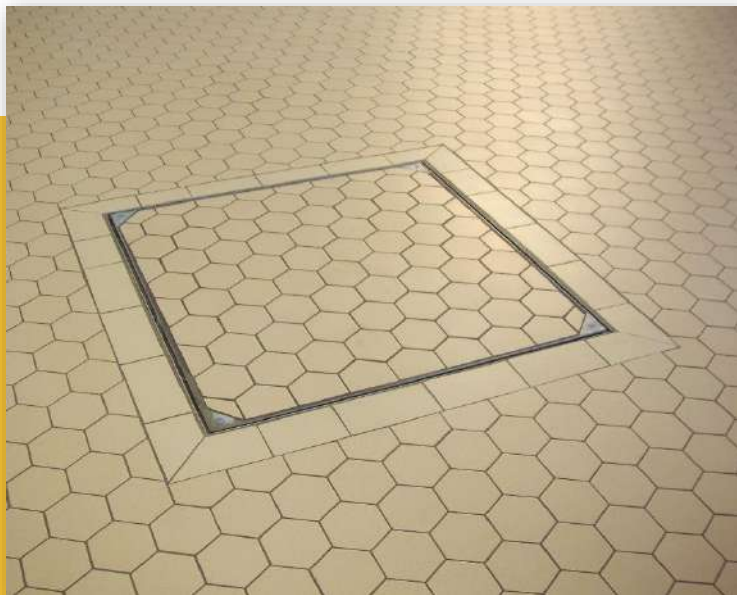
“Quality is hidden in the details.”



Industrial & Hygienic Floor Details



St. Steel Drain / Channel Frame
L-Profile Application



Manhole Cover



St. Steel Drain and L-Profile
Application





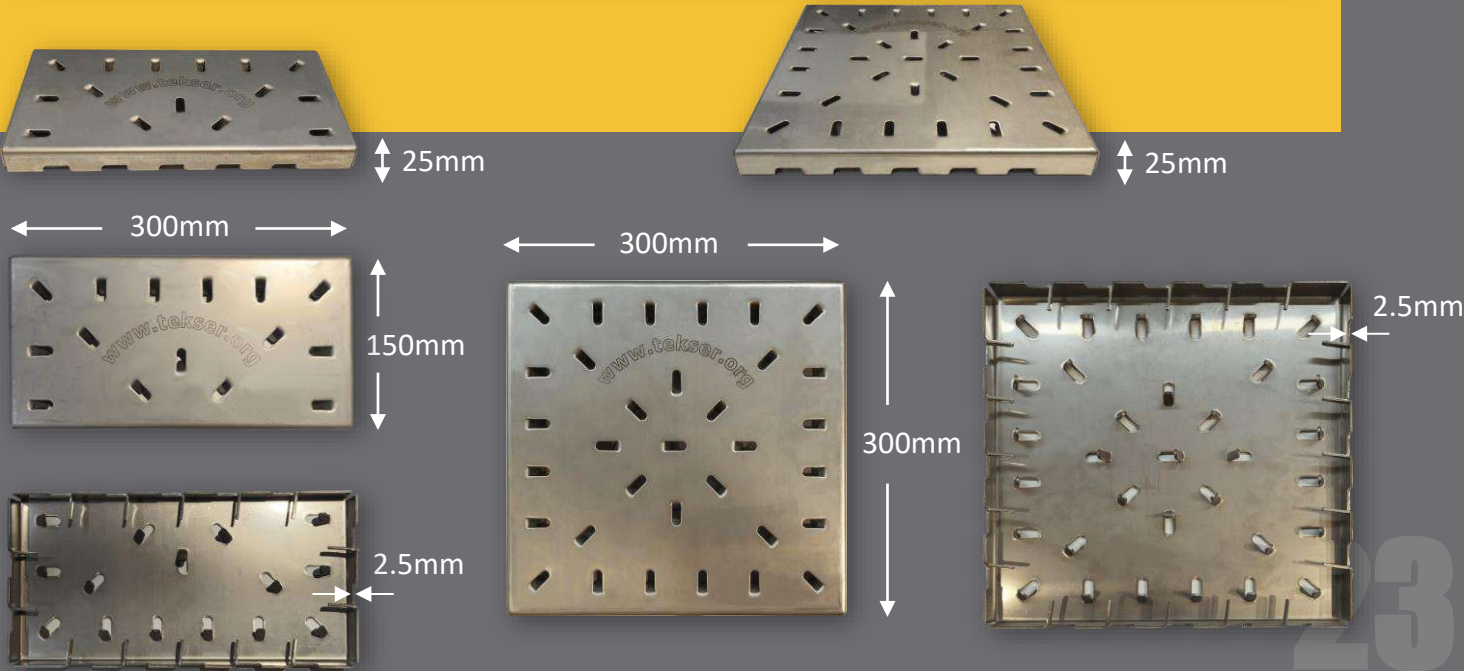
Construction Joint Profile Application (Dilatation Joint)



St. Steel L-Profile Expansion
Joint X-Section



Quality is hidden in the details



St. Steel Tile Applications

Stainless Steel Tile Applications



Stainless Steel Tile Application

PanelGUARD®

“A Real Work of Art in the Protection of All Panel Walls”





PanelGUARD® Max/B
Application



PanelGUARD® Max/B,
PanelGUARD® L165,
PanelGUARD® C1500-Ext
and PanelGUARD® L150W
Application



PanelGUARD® S
and PanelGUARD®
C1500-Ext
Application



PanelGUARD® L1000
and PanelGUARD® C1500-Ext
Application



PanelGUARD® L1000 Application



PG-Inox Application



Various Colour Options



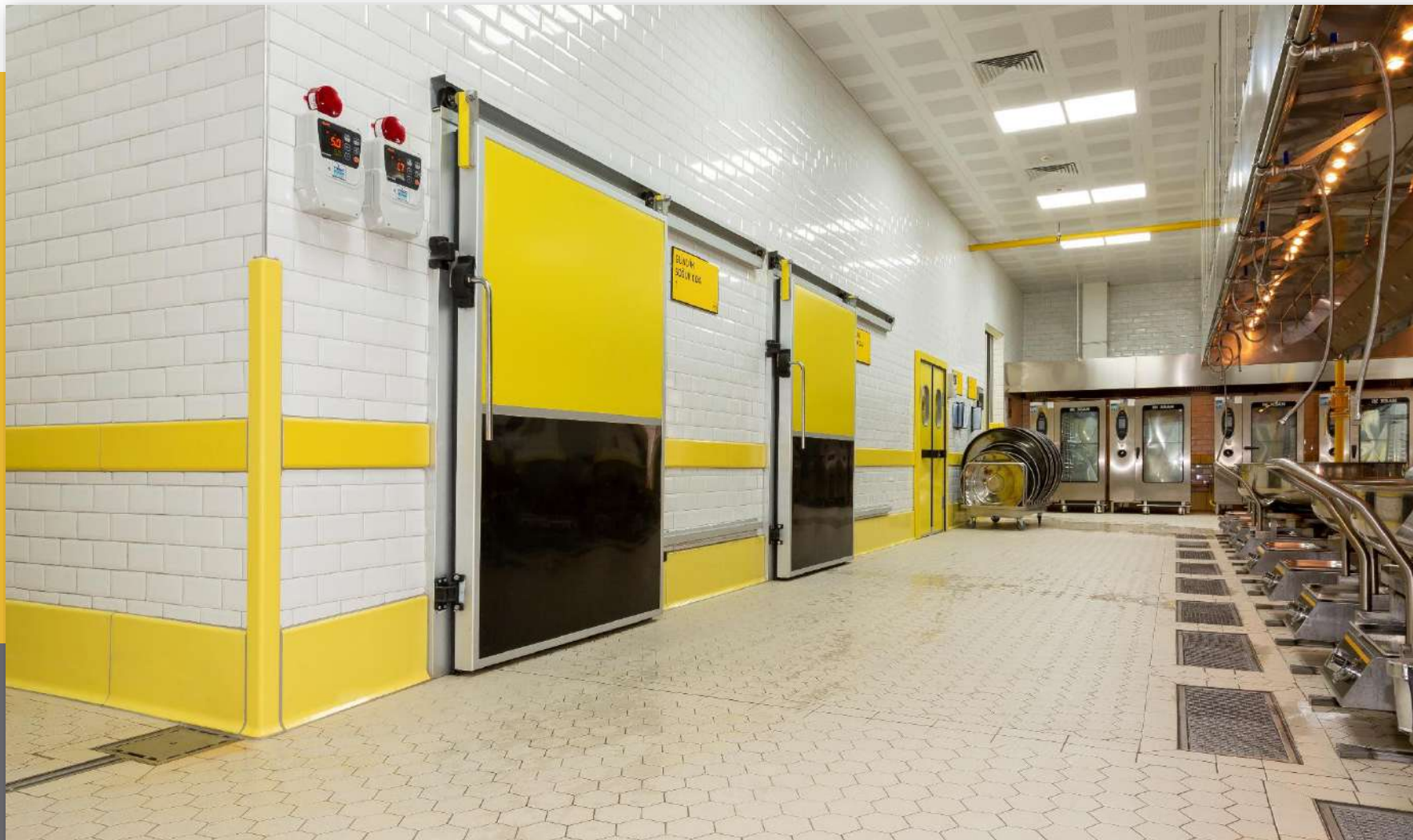
PG-Ring Application



PG-Bollard Applications



PanelGUARD® L320, PanelGUARD® L150W and PanelGUARD® C1500-Ext Application



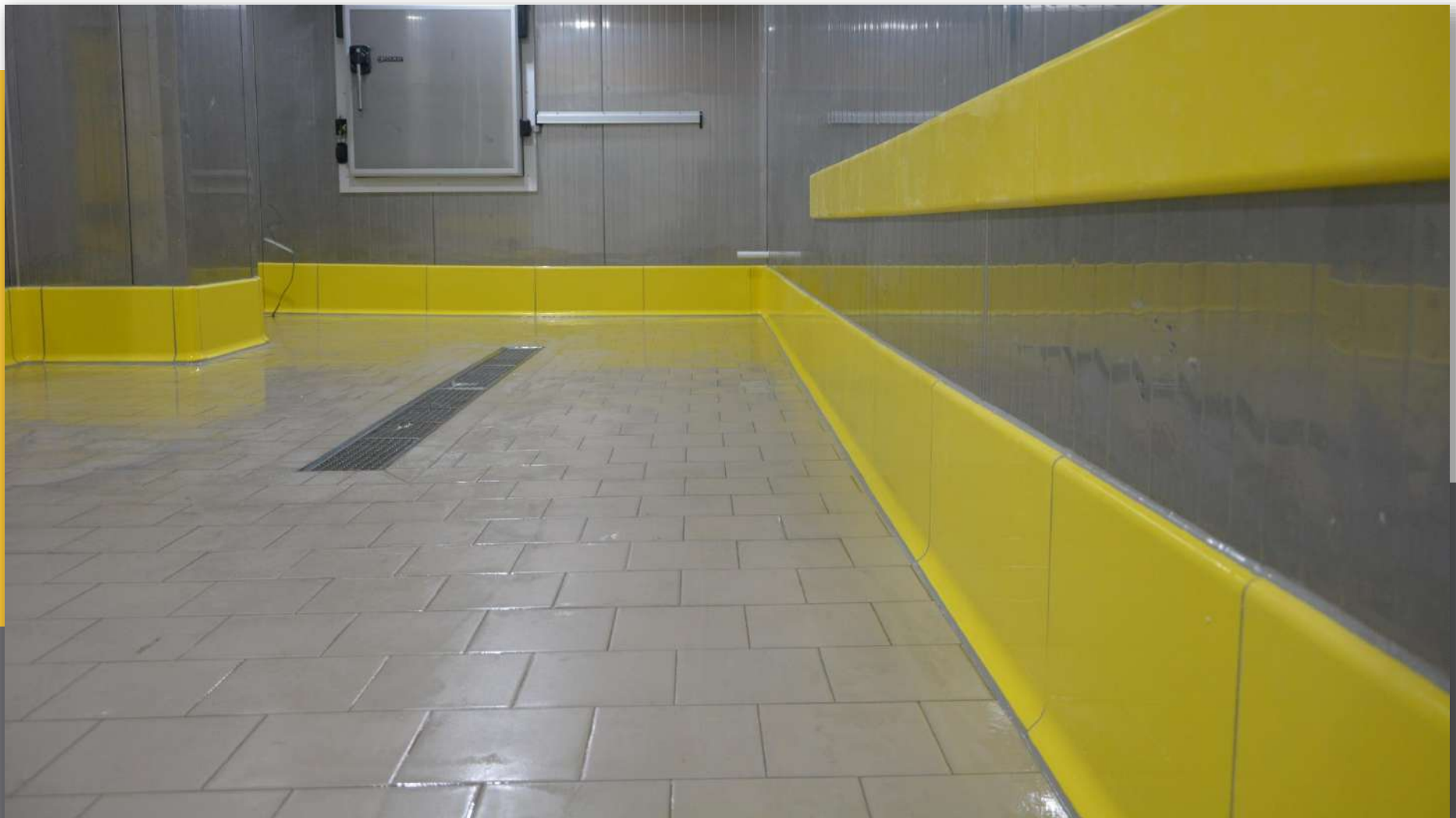
PanelGUARD® L320, PanelGUARD® L150W and PanelGUARD® C1500-Ext Application



PanelGUARD® L320, PanelGUARD® L150W and PanelGUARD® C1500-Ext Application



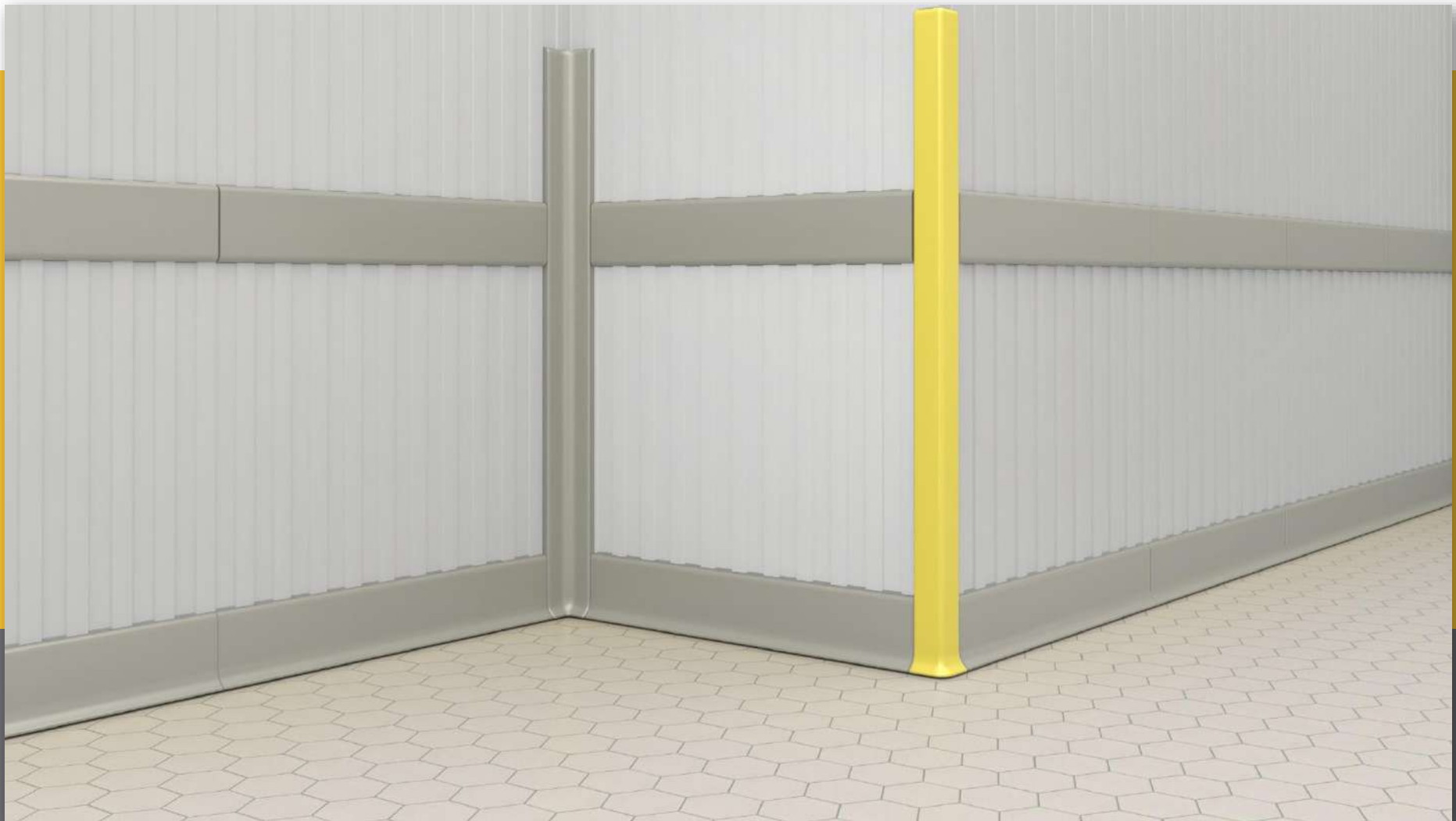
Application of PanelGUARD® Max/B on the exterior walls of the building.



PanelGUARD® L320, PanelGUARD® L150W Application



PanelGUARD® L165 Application



PanelGUARD® L1000 and PanelGUARD® C1500-Ext Application



PanelGUARD® S Applications



PanelGUARD®-Inox Applications



PanelGUARD®-Inox Applications

PanelGUARD® Products Dimensions

PRODUCT NAME	Length (mm)	Height (mm)	Thickness (mm)
PanelGUARD® Max/B	1000	350	50
PanelGUARD® L165	1000	165	15
PanelGUARD® S	500	100	7
PanelGUARD® L320	1000	320	15
PanelGUARD® L1000	700	1000	12
PanelGUARD® L150W	1000	150	15
PanelGUARD® C1000-Int, C1000-Ext	Interior 75 / 75 Exterior 75 / 75	1000	15
PanelGUARD® C1500-Int, C1500-Ext		1500	

PanelGUARD® Inox Products Dimensions

PRODUCT NAME	Length (mm)	Height (mm)	Thickness (mm)
PanelGUARD®- Inox 160	1000 / 1500	160	30
PanelGUARD®- Inox 310	1000 / 1500	310	40
PG-Duba	90 (Diameter)	800	2.5

Different Colour Options

All PanelGUARD® products have a wide range of colors.

Custom colours are available based on minimum order quantities. Please contact us for details before placing an order.



PanelGUARD®
Impact Test



PanelGUARD®
Cleaning Process



PG-Duba
Installation Steps



TECHNICAL SPECIFICATIONS	TEST METHOD	UNIT	TEST RESULT	TEST REPORTS
DENSITY	ISO - 1183	g / cm ³	1,825- 1,827	 
WATER ABSORPTION RATE	ISO 62 / ASTM D570 / 168 Saat 20°C	%	0,14	 
TENSILE STRENGTH	ISO - 527	N / mm ² - Kg / mm ²	174N / mm ² - 17.8 Kg / mm ²	
BENDING STRENGTH	ISO - 178, ASTM D790	N / mm ² - Kg / cm ²	61.29N / mm ² - 624 Kg / cm ²	
IMPACT RESISTANCE	TS EN ISO 178 & 179-1	Kj / m ² - Kgf / m ²	25.73 Kj / m ² - 2,624.5 Kgf / m ²	
HARDNESS	ASTM D2240 & ISO 48-4	Shore	93 D	
IMPACT TEST (COMPRESSION TEST)	TS EN 124-5	Kgf	3500 kgf - 7300 kgf (Varies Based on Product Type)	
UV AGE HARDENING	168 Hours / UV B 254Nm		No Colour Change, Deterioration, Cracking, Breaking, Peeling	
SALT AGE HARDENING	168 Hours / Salt Spray Device		No Colour Change, Deterioration, Cracking, Breaking, Peeling	
HDT (Heat Distortion Temp. - Heat Resistance)	ISO - 75 Method A	°C	(-) 50°C / (+)150°C	
FLAMMABILITY TEST	TSEN ISO 13501-1	---	A1 - S2 - d0	
	(TSEN15-1716)			
	(TSEN 1182)			
	(TSEN 13823)			



TECHNICAL SPECIFICATIONS	TEST METHOD	UNIT	TEST RESULT	TEST REPORTS
CHEMICAL RESISTANCE (2% and 5%) Lactic Acid, Hypochlorite, Sodium Hydroxide (Caustic-Basic), Nitric Acid, Acetic Acid, Citric Acid, Hydrochloric Acid	72 Hours		No Explosion, Breakage, Cracking, Blistering, Colour Change, Size Change	
CHEMICAL RESISTANCE (20% and 50%) Lactic Acid, Hypochlorite, Sodium Hydroxide (Caustic-Basic), Nitric Acid, Acetic Acid, Citric Acid, Hydrochloric Acid	72 Hours		No Explosion, Breakage, Cracking, Blistering, Colour Change, Size Change	
MIGRATION 9 Metals (Ba,Co,Cu,Fe,Li,Mn,Zn,Al,Ni) PAAPrimerAromaticamine, Ethanol, Phthalate (BBP,DBP,DEHP,DINP,DIDP), Acetic Acid, Bisphenol A (BPA)	TSEN 1186-9 70°C-2h	mg / dm ²	Result: 2 mg/dm ² Ref : <=10 mg/dm ²	
	TSEN 1186-14 60°C-2h	mg / dm ²	Result: 2 mg/dm ² Ref : <=10 mg/dm ²	
	TSEN 13130-1 EUR 24815 EN	mg / kg	Result: 0.007 mg/kg Ref : <=0.01 mg/kg	
	TSEN 13130-1 ISO 17294-1&2	mg / kg	Result: 0.007 mg/kg Ref : <=5 mg/kg	
	TSEN 13130-1 ISO 17294-1&2	mg / kg	Result: 0.012 mg/kg Ref : <=0.05 mg/kg	
	CEN/TS 13130-13 BS EN 14372 EN 16350-2	mg / kg	Result: 0.01 mg/kg Ref : <=0.05 mg/kg	
	BS EN 14372	mg / kg	Result: 0.002% Ref : <=0.1 mg/kg	
ANTIBACTERIAL ACTIVITY TEST	ISO 22196, 2011	---	Result: 2.49 Ref : >2	
	ASTM E2149	Cfu /mL	32,55%	
	ISO 13420	Cfu /cm ²	Result: 2.77 Ref : >2	
	NF EN ISO 21150	Cfu /g	PASSED	

FLOORING MATERIALS TEST REPORTS

Tile & Epoxy



Test Report for Porcelain Tile 20x20. The report includes a table of test results for various properties such as water absorption, breaking strength, and modulus of rupture. The table is organized into columns for test name, standard, and result.

Porcelain Tile 20x20
Test Report

Test Report for Hexagonal Porcelain Tile. The report includes a table of test results for various properties such as water absorption, breaking strength, and modulus of rupture. The table is organized into columns for test name, standard, and result.

Hexagonal Porcelain Tile
Test Report

Test Report for Epoxy. The report includes a table of test results for various properties such as tensile strength, elongation, and modulus of elasticity. The table is organized into columns for test name, standard, and result.

Epoxy
Test Report

Test Report for Epoxy Hygien. The report includes a table of test results for various properties such as tensile strength, elongation, and modulus of elasticity. The table is organized into columns for test name, standard, and result.

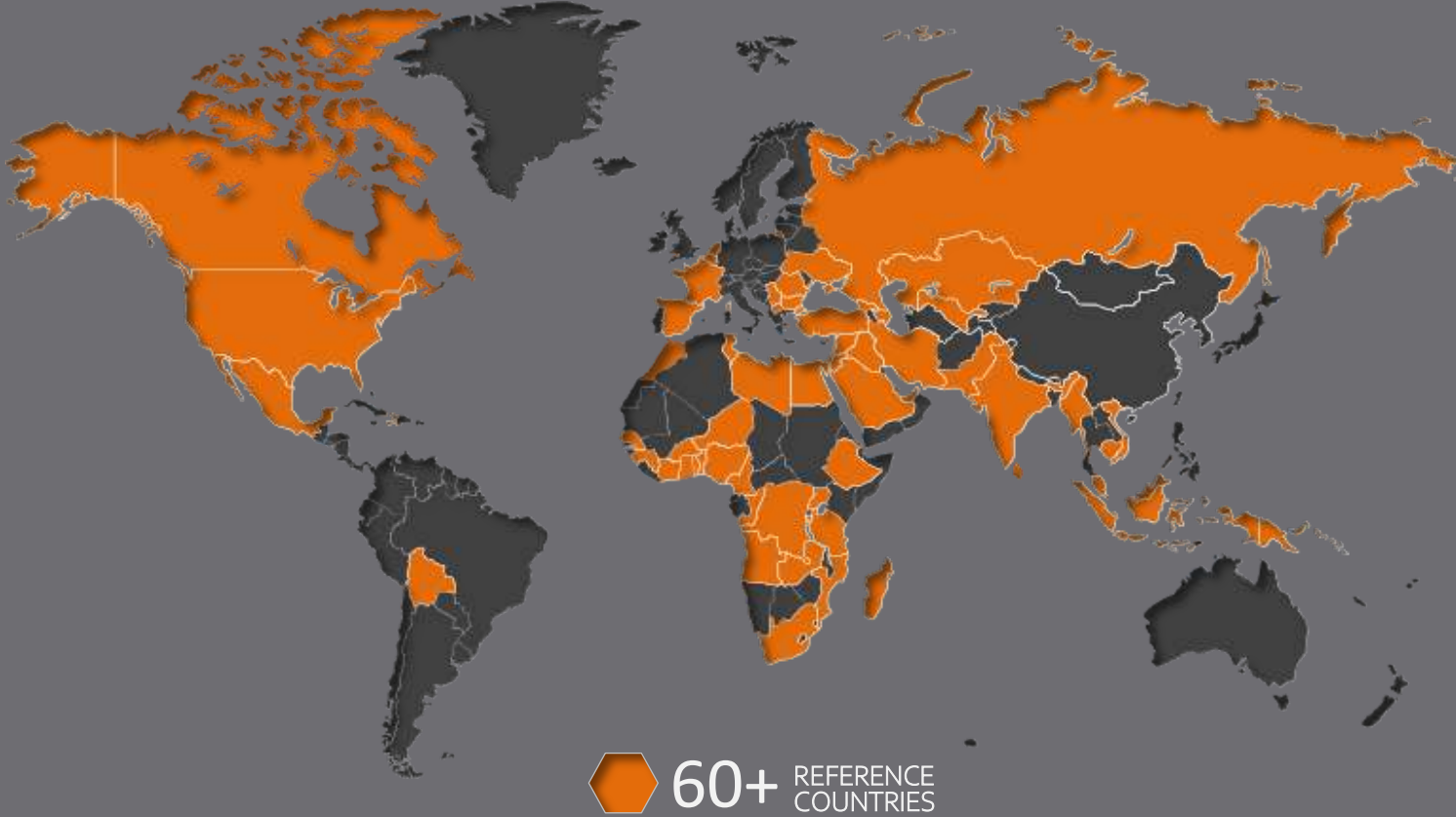
Epoxy Hygien
Test Report



TEKSER Technical Ceramics, Inc. is a member of European Hygienic Engineering and Design Group (EHEDG) since 2019.



TECHNICAL CERAMICS



TEKSER Teknik Seramik Tic. ve San. A.Ş.

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