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Quality & Service in Construction

ITALY

PRODUCT CATALOGUE
产品指南

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in 36 different countries.

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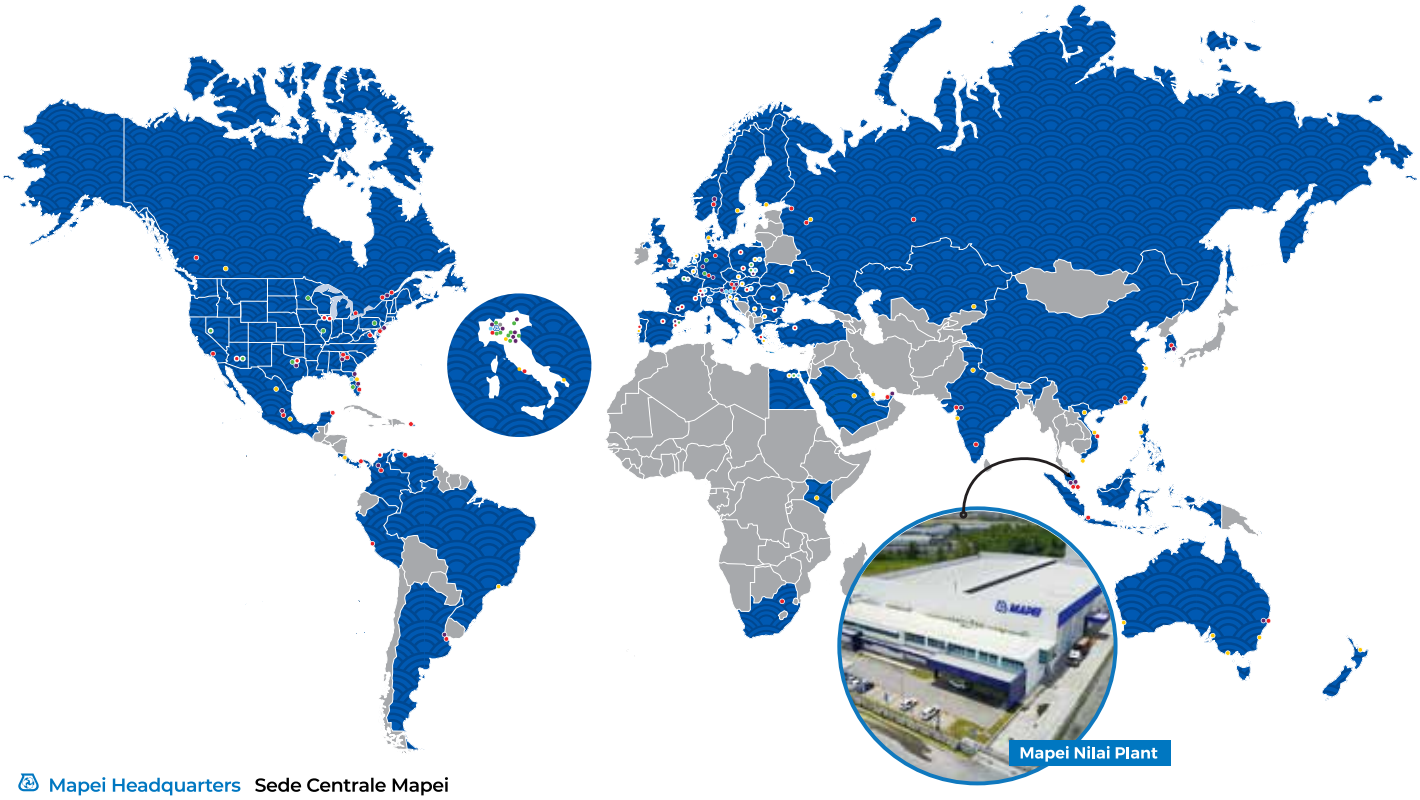
83 stabilimenti nei 5 continenti,
in 36 paese diversi.



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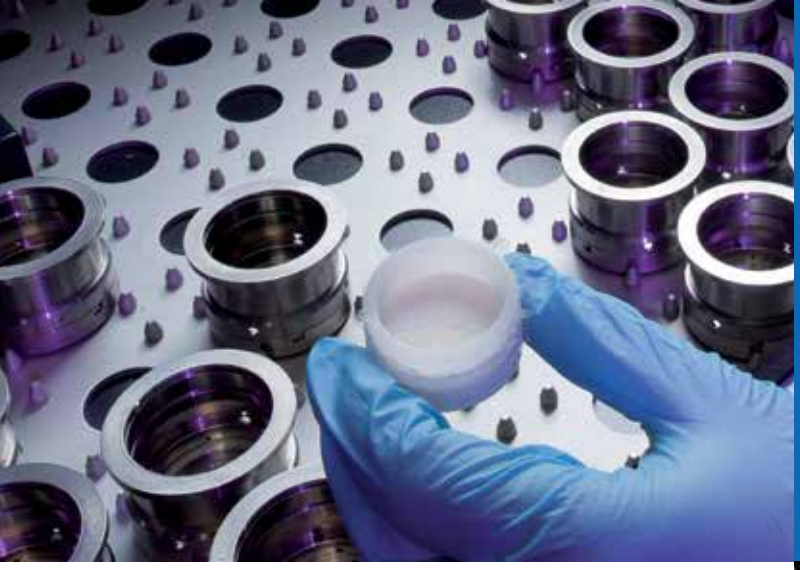

We conduct research and produce innovations
to support advancing technologies in building and construction

We work to produce consistent quality
for our customers and for the environment

Our production system:
powerful, efficient, flexible and sustainable

Experience, research and innovation
to construct a sustainable future together

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Eco Prim Grip

Multi-purpose, ready-to-use bonding promoter primer with very low emission of volatile organic compounds (VOC) for render, smoothing and levelling compounds, and adhesives for ceramic tiles

多功能、挥发性有机化合物（VOC）释放量极低、增强抹灰层、找平化合物和瓷砖胶粘结力的即用型界面剂。以及其它维修工作

Where to use

- Suitable for improving the bond of adhesives for ceramic, smoothing and levelling compounds on non-absorbent surfaces such as ceramic, terrazzo and natural stone floors
- Improve the bond of all types of cement, gypsum and lime-based plasters on concrete, brickwork, vibro-compressed concrete blocks, lightweight block and gypsum.

Advantages

- Guarantees a rough keying surface ideal for render, smoothing and levelling compounds
- Excellent bond on smooth substrates and substrates with low absorbency
- Ready to use, single component
- Easy to apply by using a roller or a brush
- Extremely low emission level of volatile organic compounds (VOC)
- Excellent bond strength
- Resistance to water and ageing

适用范围

- 适合找平化合物或水泥基胶粘剂在非吸收性基面如瓷砖、水磨石或天然石材作粘结
- 用以增强所有水泥、准备石膏和石灰石膏于基面，如混凝土、砌砖、振动压缩混凝土砖，轻质水泥砖和准备石膏的粘结力

优势

- 形成适合抹灰层和找平化合物的粗糙表面
- 与光滑和低吸收性基面有良好的粘结力
- 即用型，单组份
- 使用滚筒或毛刷，易于施涂
- 挥发性有机化合物（VOC）释放量极低
- 优异的粘结强度
- 防水、耐久

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点	
Consistency 特征	Creamy liquid 稠液状
Colour 颜色	Grey 灰色
Dry solids content (%) 固含量	70
Emicode	EC1 Plus-extremely low emission level 释放量极少
Application Data 应用数据 (at +23°C – 50% R.H.)	
Application temperature range 施工温度范围 (°C)	+5 to/至 +35
Waiting time before applying render 施涂抹灰前的等待时间 (mins/分钟)	15-20 (dependant on substrate temperature and porosity 视基面温度和多孔性而定)
Waiting time before applying smoothing compound 施涂找平化合物前的等待时间 (mins/分钟)	30 (dependant on substrate temperature and porosity 视基面温度和多孔性而定)
Final Performances 工作性能	
Resistance to humidity 防湿能力	Excellent 优良
Resistance to ageing 耐久力	Excellent 优良
Resistance to solvents and oils 防溶剂能力和抗油性	Fair 中等
Resistance to acids and alkalis 抗酸性和抗碱性	Fair 中等
Consumption 用量	
Consumption varies between 0.20 and 0.30 kg/m² according to the absorption of the substrate 用量为0.2 - 0.3 kg/m²；视基面吸收性而定	
Packaging 包装	
10 kg drums/桶	

Scan QR code for video.
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MapeLatex 117 & 119

Water-resistant, latex additive for bonding slurries and for improving mortar mixes
用于粘结砂浆和提高砂浆混合物粘结力的防水乳液添加剂

Where to use

As additive for site-mixed mortars for:
- Screeds and renders
- Tile adhesives
- Brick jointing
- Patch repairs

Mixed with cement to prepare bonding slurries for:
- Bonding old to new concrete
- Installing floor screeds

Advantages

Latex-admixed mortars:
- Improved strengths and mechanical properties
- Improved adhesion
- Improved abrasion resistance
- Improved chemical resistance
- Reduced water permeability
- Safe for potable water
- Non-corrosive

Bonding slurries:
- Good bonding strength

适用范围

作为砂浆混合物添加剂:
- 找平层和打底涂层
- 瓷砖胶
- 砖缝填缝
- 破损区修复

与水泥混合制备砂浆用于:
- 于原有混凝土上粘结新混凝土
- 安装地面找平层

优势

乳液混合砂浆:
- 提高强度和机械强度
- 提高粘结力
- 提高耐磨度
- 提高耐化学强度
- 减少水汽渗透
- 无害，可与饮用水接触
- 无腐蚀性

粘结砂浆:
- 具有良好的粘结强度

Application examples 应用实例

Application of cement-based bonding slurry admixed with MapeLatex
水泥基粘结砂浆与MapeLatex 混合使用

Application of a cement-based bonded screed admixed with MapeLatex
水泥基找平砂浆与MapeLatex 混合使用

Scratch-coat mortar admixed with MapeLatex
刮涂层砂浆与MapeLatex 混合使用

Cement-based render with MapeLatex
水泥基打底涂层 MapeLatex

Technical Data (Typical Values) 技术数据 (典型值)

	Mapeset 111 + MapeLatex 119	Mapeset 111 + MapeLatex 117
Mix ratio, by weight 混合配比(重量比) (%)	28	30
Viscosity 粘度 (Pa.s)	348	385
Mix Density 混合后密度 (g/cm³)	1.768	1.787
Wetting capability (%) at 30°C 在30°C下的润湿能力		
- 5'	100	100
- 10'	100	90
- 15'	100	90
- 20'	90	80
- 25'	80	70
Tensile Adhesion Strength, 28 days - standard condition (MPa) 28天后的常规抗拉附着力强度	2.1	1.3
Tensile Adhesion Strength, 28 days - water immersion (MPa) 水浸28天后的抗拉附着力强度	1.2	0.7
Tensile Adhesion Strength, 28 days - heat ageing (MPa) 加热28天后的抗拉附着力强度	2.5	1.4

Primer G

Synthetic, resin-based, water-dispersion primer with very low volatile organic compound (VOC)
合成树脂基水性界面剂，挥发性有机化合物（VOC）含量极低

Where to use

- Preparing cement-based surface prior to smoothing with self-leveling or thixotropic smoothing compounds
- For treating gypsum surfaces prior to fixing ceramic tiles
- As an anchoring coat for gypsum-based sprayable plasters

Advantages

- Suitable for gypsum & cementitious surface
- Improves adhesion of smoothing compounds, paints, adhesive for wallpaper, adhesive for tiles and mortar for renders.
- Reduce the amount of glue used for wallpaper installation

Application on different substrates

As a treatment for ceramic tiles installed on gypsum / cement board:

- Stir the Primer G before use, spread it uniformly on the surface with a flat brush without diluting. Once it has dried fix the tiles.

As a primer before applying self-levelling compounds (for example: Novoplan 21):

- Cementitious substrates: dilute Primer G 1:1 with water

适用范围

- 水泥基触变自流平化合物找平前的基层界面处理
- 石膏基面铺设瓷砖前的表面处理用
- 石膏抹灰表面锚固层用

优势

- 适用于石膏和水泥基表面
- 提高平滑表面、油漆和贴墙纸、铺设瓷砖和抹灰砂浆前的界面粘结力
- 减少贴墙纸时的胶水用量

不同基层的使用方法

石膏基面铺设瓷砖前的表面处理用:

- 无须稀释，搅拌后用扁刷在表面均匀涂刷。等界面剂干燥后铺瓷砖

马贝自流平砂浆找平前的界面处理(如：Novoplan 21):

- 水泥基基材：按1:1与水稀释

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点	
Consistency 特征	Liquid 液体
Colour 颜色	Light Blue 浅蓝色
GEV EMICODE (according to/根据 EN ISO 16000-3, 6, 9, 11 and/和 CEN/TS 16516)	EC1 – very low emission 释放量极少
Application Data 应用数据 (+23°C – 50% R.H.)	
Application temperature range 施工温度范围 (°C)	+5 to/至 +35
Minimum drying time 最短干燥时间 (mins/分钟)	approx./约 30 - 40
Waiting time before applying the adhesive 施涂瓷砖胶前的等待时间 (hrs/小时)	approx./约 2 - 3
Consumption 用量	
The consumption of Primer G depends on the porosity and absorption of the surface. 用量取决于基材表面的空隙率和吸收性	Normal consumption is between 0.08 and 0.15 kg/m² 通常用量为 0.08 - 0.15 kg/m²
Packaging 包装	
25 kg pail/桶	

Prosfas

Solvent-free, silicate-based consolidator for cementitious substrates with high penetration capacity
用于水泥基材质表面加固的高渗透性，无溶剂，硅酸盐基液体固化剂

Where to use

- Cementitious substrates with an unstable surface or with poor mechanical characteristics
- Cementitious screed which tend to have a crumbly surface due to hydration defects or lack of binders

Advantages

- Low viscosity
- High penetration properties to penetrate up to several centimeters
- Improves the cohesion of cementitious surfaces.
- Impregnation and anti-dust primer on cementitious surfaces.
- Ready-to-use

适用范围

- 表面起砂或强度差的水泥基材质表面
- 由于水化过程中的缺陷或者水泥含量少造成的水泥砂浆层表面容易破损的基面

优势

- 低粘度
- 高渗透性，可以渗透到几厘米的深度
- 可提高水泥基面表层的强度
- 水泥基材质基面的防尘处理
- 即用型

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点	
Density 密度 (g/cm³)	1.19
Consistency 特征	Very fluid liquid 稀液
Colour 颜色	Transparent 透明
Dry solids content 固含量 (%)	24
Brookfield viscosity 粘度 (mPa.s)	10
Application Data 应用数据	
Application temperature range 施工温度范围 (°C)	+5 to/至 +35
Drying time 固化时间	Min. 24 hours (depending on the amount applied and the ambient temperature and humidity) 最少24小时 (可视用量及施工温度、湿度不同而定)
Ready for use 可供使用时间	When dry 固化后则可使用
Consumption 用量	
0.5 to 0.7 kg/m², but very porous surfaces may require four to six times as much 0.5～0.7 kg/m²，而对多孔的基面需涂刷4到6次	
Packaging 包装	
25 kg drum/桶	

Mapeset 111

Cementitious adhesive for installation of ceramic tiles
用于粘贴瓷砖的水泥基胶粘剂

Where to use

Thin bed installation of ceramic tiles on cementitious floors and walls

Advantages

- Factory-batched for consistent performance
- Good workability
- Creamy consistency for easy trowellability
- Vertical tile installations with no slippage
- Tiles are adjustable up to 15 minutes after application (depending on ambient conditions)
- No need to pre-soak tiles in water
- Good adhesion

Note: For improved performance, Mapeset 111 may be mixed with MapeLatex 117/119

适用范围

适用于水泥基墙身及地面薄贴瓷砖

优势

- 工厂批产，产品性能稳定
- 良好的施工性能
- 乳状稠度，可使用抹刀易于施工
- 抗滑移，即使立面安装瓷砖亦不会滑移
- 安装瓷砖后15分钟内可稍作调整（视实际环境条件而言）
- 无需提前浸泡瓷砖
- 良好的粘结力

说明：欲提高性能，Mapeset 111可与MapeLatex 117/119混合

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点	
Consistency 特征	Powder 粉末状
Application data 应用数据 (at +23°C and 50% R.H.)	
Mix ratio 混合配比	100 parts Mapeset 111 with 23-25 parts of water by weight 100份粉剂加23-25份水
Pot life 存罐时间 (hrs/小时)	4 - 6
Open time 晾置时间 (according to EN 1346) (mins/分钟)	approx./约 10
Adjustment time 调整时间 (mins/分钟)	approx./约 20
Grouting joints in wall tiles 可填缝时间(墙面) (hrs/小时)	after 3-6 小时后
Grouting joints in floor tiles 可填缝时间(地面) (hrs/小时)	after 24 小时后
Set to light foot traffic 可供步行荷载时间 (hrs/小时)	24
Ready for service 可供使用 (days/天)	14
Final Performances 工作性能	
Adhesion according to EN 1348 (N/mm²) 粘结强度(根据欧洲标准) - Initial adhesion 常规粘接度 (after 28 days/ 28天后) - Adhesion after heating 烘烤后 - Adhesion after water immersion 浸水后	 0.8 0.5 0.7
Consumption 用量	
- Mosaic and small tiles 马赛克和小尺寸瓷砖 (No. 4 spreader/ 4号齿型抹刀) - Normal size tiles 普通尺寸瓷砖 (No. 5 spreader/5号齿型抹刀) - Tiles with rough back relief or on irregular substrate 粗糙面瓷砖或不平整基面上 (trowel no. 10/10号齿型抹刀)	About/约 2 kg/m² 2.5-3 kg/m² About/ 约 6 kg/m²
Packaging 包装	
20 kg bag/袋装	

Mapeset 222

Single-component, high-performance, cementitious adhesive with extended open time for installation of ceramic tiles
单组分、高性能、用于安装瓷砖能延长晾置时间的水泥基胶粘剂

Where to use

Bonding of ceramic tiles – including porcelain and homogeneous tiles – and mosaics on floors and walls in interior and exterior applications
Suitable for tile size:
- 300 mm x 600 mm on wall
- 600 mm x 600 mm on floor

Advantages

- Economical, high-performance, adhesive with C2E classification: cementitious (C), improved (C2), extended open times (E)
- Polymer-modified: no latex needed, just mix with water (5.4-5.8 litres of clean water for 20 kg bag)
- Excellent workability
- Hardens with very little shrinkage
- With its extended open time, this adhesive is preferred for:
  – installing tiles in intricate laying patterns
  – installations in outdoor environments
- No need to pre-soak in water
- Excellent adhesion

适用范围

瓷砖粘合–包括应用在室内外的瓷砖和均质瓷砖–以及地板和面的马赛克砖
适用于以下尺寸：
- 墙面瓷砖300 mm x 600 mm
- 地板瓷砖600 mm x 600 mm

优势

- 经济、高性能，胶粘剂C2E类别：水泥基(C)、增强型(C2)、延长晾置时间(E)
- 聚合物改性：无需乳胶，混合水即可(每20 kg袋加入5.6-6升清水)
- 卓越的工作性
- 硬化收缩率小
- 随着晾置时间的延长，这粘合剂造用于：
  – 复杂的瓷砖安装铺设模式
  – 户外环境的安装
- 无需预先在水中浸泡瓷砖
- 卓越的粘附力

Technical Data (Typical Values) 技术数据 (典型值)

In compliance with 符合标准 : Euronorm EN 12004 (C2E)

Product Identity 产品特点	
Consistency 特征	Paste 膏状
Application data 应用数据 (at +23°C and 50% R.H.)	
Mix ratio 混合配比	100 parts Mapeset 222 with 27-29 parts of water by weight 100份粉剂加27-29份水
Pot life 存罐时间 (hrs/小时)	More than 8 小时以上
Open time 晾置时间 (according to/根据 EN 1346) (mins/分钟)	approx./约 30
Adjustment time 调整时间 (mins/分钟)	approx./约 60
Grouting joints in wall tiles 可填缝时间(墙面) (hrs/小时)	after 4-8 小时后
Grouting joints in floor tiles 可填缝时间(墙面) (hrs/小时)	after 24 小时后
Set to light foot traffic 可供步行荷载时间 (hrs/小时)	24
Ready for service 供使用 (days/天)	14
Final Performances 工作性能	
Adhesion according to EN 1348 (N/mm²) 粘结强度(根据欧洲标准) - Initial adhesion 常规粘接度 (after 28 days/ 28天后) - Adhesion after heating 烘烤后 - Adhesion after water immersion 浸水后	 2.0 1.1 1.4
Consumption 用量	
- Mosaic and small tiles 马赛克和小尺寸瓷砖 (No. 4 spreader/ 4号齿型抹刀)	About/约 2 kg/m²
- Normal size tiles 普通尺寸瓷砖 (No. 5 spreader/5号齿型抹刀)	2.5-3 kg/m²
- Tiles with rough back relief or on irregular substrate 粗糙面瓷砖或不平整基面上 (trowel no. 10/10号齿型抹刀)	About/约 6 kg/m²
Packaging 包装	
20 kg bag/袋装	

MAPEI COLOUR GROUT & FUGA FRESCA: PERFECT FOR EVERY TYPE OF JOB

Keracolor SF

- High-performance **mortar** for joints **up to 4 mm**
- **Smooth**, **white**, compact and super fine
- **Polymer-modified**
- For **internal** and **external** use
- For all types of pre-polished ceramic, terracotta, glass mosaic, stone and marble **floors** and **coated surfaces**
- **Ideal for grouting thin joints**

PRODUCT SUITABLE FOR

* with **Fugolastic**

Ultracolor Plus

- High-performance **mortar** for joints from **2 to 20 mm**
- Anti-efflorescence and mould-resistant with **BioBlock®** technology
- Water-repellent (**DropEffect®**)
- **Polymer-modified**
- Available in 26 different colours
- For **internal** and **external** use
- For all types of ceramic, stone, glass mosaic and marble **floors** and **coatings**

PRODUCT SUITABLE FOR

Mapei Coloured Grouts		THE CEMENTITIOUS GROUTS				THE EPOXY GROUTS	
		Keracolor SF	Keracolor FF	Ultracolor Plus		Fuga Fresca
100	WHITE	●	●	●		●
110	MANHATTAN 2000	●	●	●		
111	SILVER GREY	●	●	●		●
112	MEDIUM GREY	●	●	●		●
113	CEMENT GREY	●	●	●		●
114	ANTHRACITE	●	●	●		●
120	BLACK	●	●	●		
130	JASMINE	●	●	●		●
131	VANILLA	●				
132	BEIGE 2000	●	●	●		
141	CARAMEL	●	●	●		
142	BROWN		●	●		
144	CHOCOLA		●	●		
145	TERRA DI SIENA			●		
160	MAGNOLIA			●		
170	CROCUS BLUE		●	●		

*Due to the printing processes involved, the colours should be taken as merely indicative of the shades of the actual product.

For more information, please visit our website

www.mapei.com.my

Scan to download Mapei App

Keracolor FF

- High-performance **mortar** for joints **up to 6 mm**
- Water-repellent (**DropEffect®**)
- **Polymer-modified**
- Available in **18 different colours**
- For **internal** and **external** use
- For all types of ceramic, stone, glass mosaic and marble **floors** and **coatings**

PRODUCT SUITABLE FOR

* with **Fugolastic**

Fuga Fresca

- **Acrylic resin-based paint in water dispersion** to bring back the colour of the joints between ceramic tiles
- Available in **6 different colours**

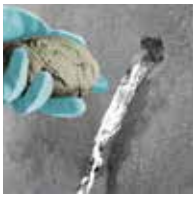
PRODUCT SUITABLE FOR

Scan QR code for video.
扫描二维码观看视频。

WHERE TO USE:

Suitable / Highly suggested

- Residential environments
- Coatings and façades
- Balconies and terraces
- Public environments
- Supermarkets
- Bathrooms and kitchens
- Saunas and Turkish baths
- Swimming-pools
- Food industry
- Sausage industries/oil mills



Fastcement 555

Very fast-setting, cementitious mortar for stopping water leaks, fast fixing and repairs of every kind

各种修补的迅速凝固水泥粘结剂

Where to use

- Rapid stopping of water leaks, even flowing water under pressure
- Fixing brackets, bolts, hinges
- Installing boxes for electrical systems
- Sealing concrete conduits, drains, tanks, etc
- Plugging and closing holes for air-cond pipes, ducting, etc

Advantages

- Very fast setting
- High early strengths
- Stops water completely and permanently
- Good adhesion
- Easy to use; just add water and mix by hand
- Chloride-free

适用范围

- 即使在低压水流动的状况下，能超速堵塞漏水
- 安装托架、螺栓、铰链
- 配电箱安装
- 密封混泥土喉管、沟渠、蓄水池
- 堵塞冷气机喉管安装后留下的洞孔

优势

- 非常迅速堵住水漏
- 初始强度高
- 能完全防止水汽渗透
- 良好的粘结力
- 易使用，只需与水混合，用手即可施工
- 不含氯化物

Application examples
应用实例

Technical Data (Typical Values) 技术数据 (典型值)

Application Data 应用数据 (at 23°C)	
Mix ratio by weight 混合配比	100 g Fastcement 555 to 28 g water 重量比为 : 粉剂:水 = 100克:28克
Pot life at +20°C 在20°C环境下的存罐时间 (mins/分钟)	approx./约 1
Final Performances 工作性能	
Flexural strength 抗折强度 (N/mm²)	
- After ½ hour 30分钟后	2
- After 3 hours 3小时后	3
- After 24 hours 24小时后	4
- After 7 days 7天后	5
- After 28 days 28天后	6
Compressive strength 抗压强度 (N/mm²)	
- After ½ hour 30分钟后	8
- After 3 hours 3小时后	13
- After 24 hours 24小时后	27
- After 7 days 7天后	35
- After 28 days 28天后	42
Packaging 包装	
20x1 kg box / 20x1 kg盒装	

Aquaflex Roof 77

Ready-to-use, flexible, liquid-applied membrane for seamless exposed waterproofing of roof surfaces
即用型柔性液膜，施涂后的表面形成一层无缝的防水膜饰面

Where to use

- Cementitious roof decks, terraces and balconies
- Car porch roofs
- Tiled floors
- Metal sheet roofs
- Cupolas and curved roofs
- Cement and clay roof tiles

Advantages

- Weather and UV-resistant
- Provides seamless waterproofing
- Easy application with roller or brush
- Flexible and elastic
- Suitable for light foot traffic
- Good adhesion on prepared substrates

适用范围

- 水泥基屋顶板，阳台和露台
- 停车房屋顶
- 瓷砖地面
- 金属板屋顶
- 圆形和弯曲的屋顶
- 水泥与瓷屋瓦

优势

- 抵御恶劣天气和抗紫外线
- 形成一层无缝防水液膜
- 可用滚筒或刷子施工
- 具有柔性和弹性
- 可供轻步荷载
- 与处理过的基面有良好的附着力

Application on concrete or screed
使用于混凝土或砂浆表面

Substrate preparation
准备施用的表面

1st layer primer application
第一层涂漆

Completed with two top coats
两层涂漆即完成

Application on existing ceramic tiles
使用于原有的瓷砖表面

Existing cleaned tile surface
原有干净的瓷砖表面

1st layer primer application
第一层涂漆

Completed with two top coats
两层涂漆即完成

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点	
Consistency 特征	Paste 膏状
Colour 颜色	Grey and white 灰色或白色
Application Data 应用数据 (at 30°C at 80% R.H.)	
Application temperature range 施工温度范围 (°C)	+5 to/至 +35
Waiting time between coats 涂层间等待施工时间 (hrs/小时)	approx./约 2-4
Set to light foot traffic 可供步行荷载时间 (hrs/小时)	8
Final Performances 工作性能	
Elongation at breakage 断裂伸长率 (DIN 53504) (%)	190
Tensile Strength 抗拉度 (DIN 53504) (N/mm²)	3.5
Bond strength to concrete 混凝土粘结强度 (EN24624) (N/mm²)	3.1
Consumption 用量	
Priming coat 底涂	0.3 kg/m² (Aquaflex Roof 77 and clean water at ratio 1:1 与1:1清水稀释)
Neats coat 面涂	0.6 kg/m² / per layer (min 2 layers of neat coat recommended 推荐至少施涂两层面漆)
Packaging 包装	
4 & 18 kg/公斤	

Scan QR code for video.
扫描二维码观看视频。

Mapelastic AquaDefense

Ready-to-use, one-component, ultra-quick drying, flexible, liquid membrane for waterproofing under ceramic, marble and mosaics, for interiors and exteriors
适合室内、外瓷砖、石材和马赛克的即用型超快干柔性液膜

Where to use

- Waterproofing balconies, terraces, bathrooms, shower booths and damp environments before laying coatings.
- Applied by roller, brush or trowel.
- May be used and re-used with no waste if kept in its original packaging.
- Mapelastic AquaDefense may be used with the special pieces of Mapelastic System: Mapeband (90°, 270°, T, CROSS), Mapeband TPE (T, CROSS), Drain Vertical, Drain Lateral, Drain Front.

Advantages

- One-component, ready-to-use
- Quick drying
- No reinforcement required
- Rain water resistant after just 3 hours
- Tiles installation after just 4 hours with suitable adhesive
- Rooms treated with the product back in use after just 1 day

适用范围

- 铺砖前的阳台、露台、卫生间、淋浴室和潮湿环境
- 可用长毛滚筒，毛刷或抹刀施工
- 收在原包装下可重复使用
- Mapelastic AquaDefense可用于Mapelastic系统的特殊材料上，如Mapeband (90°，270°，T, CROSS), Mapeband TPE (T, CROSS), Drain Vertical, Drain Lateral和Drain Front

优势

- 单组分、即用型产品
- 超快干
- 无需搅拌器或其它搅拌工具
- 施工3小时后可耐雨水冲刷
- 使用合适的瓷砖胶，可在4小时后进行铺砖工作
- 施工区域一天后即可恢复使用

Scan QR code for video.
扫描二维码观看视频。

Application guide 应用方式

1st coat on screed
第一层涂漆于找平面上

1st coat on existing tiles
第一层涂漆于瓷砖上

2nd coat after one hour
一小时后施涂第二层涂漆

Stone material installation after 4 hours
四小时后可进行铺砖

7.5 & 18 kg/公斤

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点		
Consistency 特征	Paste 膏状	
Colour 颜色	Light blue 浅蓝色	
Dry solids content 固含量 (%)	66	
Application data 应用数据 (at +23°C +50% R.H.)		
Recommended application temperature 建议施工温度 (°C)	+5 to/至 +35	
Waiting time between first and second coat 涂层间等待施工时间 (mins/分钟)	approx./约 60 (when dry to touch/手触已干)	
Waiting time before laying tiles 铺瓷砖前的等待时间 (hrs/小时)	3-4	
Complete drying of 1mm thick layer 1mm厚防水膜完全变干所需时间 (hrs/小时)	12	
Final Performances 工作性能		
	EN 14891 acceptance range EN 14891可接受范围	Performance figures for Mapelastic AquaDefense 产品性能数据
Initial bond strength 初粘强度 EN 14891-A.62 (N/mm²)	>0.5	1.7
Bond strength after immersion in water 浸水后粘结强度 (EN 14891-A.6.3) (N/mm²)	>0.5	>1.0
Crack-bridging ability at +23°C +23℃裂纹桥接能力 (EN 14891-A.8.2) (mm)	>0.75	>3.2
Impermeability to water under pressure 受压下的抗渗性 (EN 14891-A.7) (1500 kPa)	No penetration 不透水	No penetration 不透水

Planiseal 123

Flexible, cementitious mortar for waterproofing
用于防水的柔性水泥砂浆

Where to use

- Bathrooms, balconies and terraces
- Internal damp areas. Examples: kitchens, pantries, drying yards.
- Interior and exterior cellar walls

适用范围

- 卫生间、阳台和露台
- 室内潮湿区域，如：厨房、茶水间、晒衣场
- 地下室内、外墙

Advantages

- Good adhesion to prepared substrates
- Suitable for floors and walls
- Can be applied with a trowel or hard-bristle brush
- Economical & easy to use
- Non-toxic

优势

- 与基面有良好粘贴力
- 墙身及地面均可适用
- 可使用抹刀或硬毛刷施涂产品
- 实惠且易于使用
- 无毒

Application examples
应用实例

Bathroom
浴室

Kitchen
厨房

Balcony
阳台

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点		
	Component 组分 A	Component 组分 B
Consistency 特征	Powder 粉末	Liquid 液体
Colour 颜色	Grey 灰色	White 白色
Application Data 应用数据 (at 23°C at 50% R.H.)		
Color of mix 混合物颜色	Grey 灰色	
Mixing ratio 混合配比	Component/组分 A : Component/组分 B = 4:1	
Consistency 特征	Fluid 液体	
Min. and max. temperature for application (°C) 建议施工温度范围	+5 to/至 +35	
Pot life at +20°C 在 20°C下的存罐时间 (hrs/小时)	2	
Application of following coats at 20°C 在20°C下，后续涂层施工等待时间 (hrs/小时)	After 5 but not more than 24 5小时以上，不超过24小时	
Ready for use 可供使用时间 (days/天)	7	
Consumption 用量		
For wet areas not subject to hydrostatic pressure: 1.0 kg/m² per coat 在无静水压力的潮湿环境下：每层1.0 kg/m²		
For wet areas subject to max. 1m water-head: 1.5 kg/m² per coat 在不超过1m水位的潮湿环境下：每层1.5 kg/m²		
Packaging 包装		
Component/组分 A: 18kg bag/袋 , Component/组分 B: 4.5kg drum/桶		

Planiseal 288

Flexible, cementitious mortar for waterproofing and protection
用于防水和保护的柔性水泥砂浆

Where to use

- Internal wet areas. Examples: kitchens, pantries, drying yards.
- Bathrooms, balconies and terraces.
- Lift rooms
- Underground passages
- Interior and exterior cellar walls

适用范围

- 室内潮湿区域，如：厨房、茶水间、晒衣场
- 卫生间、阳台和露台
- 电梯间
- 地下通道
- 地下室内、外墙

Advantages

- Effective for waterproofing and damp-proofing
- Good adhesion to prepared substrates
- Suitable for floors and walls
- Can be applied with a trowel or hard-bristle brush
- Economical & easy to use
- Non-toxic, Planiseal 288 has been registered with Suruhanjaya Perkhidmatan Air Negara (SPAN), suitable for contact with drinking water

优势

- 有效防潮防水
- 与基面有良好粘贴力
- 墙身及地面均可适用
- 可使用抹刀或硬毛刷施涂产品
- 实惠且易于使用
- 无毒，Planiseal 288已注册 Suruhanjaya Perkhidmatan Air Negara (SPAN)，适合与装载饮用水结构接触

Application examples 应用实例

Bathroom 浴室

Kitchen 厨房

Balcony 阳台

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点		
	Component 组分 A	Component 组分 B
Consistency 特征	Powder 粉末	Liquid 液体
Colour 颜色	Grey 灰色	White 白色
Application Data 应用数据 (at 23°C at 50% R.H.)		
Color of mix 混合物颜色	Grey 灰色	
Mixing ratio 混合配比	Component 组分 A : component 组分 B = 4:1	
Pot life at +20°C 在20°C下的存罐时间 (hrs/小时)	2	
Application of following coats at 20°C 在20°C下，后续涂层施工等待时间 (hrs/小时)	After 5 but not more than 24 5小时以上，不超过24小时	
Ready for use 可供使用时间 (days/天)	7	
Final Performances 工作性能		
Compressive strength 28 days 28天后抗压强度 EN 12190 (MPa)	20	
Flexural Strength 28 days 28天后抗压强度 EN 196-1 (MPa)	9	
SIRIM Test Results SIRIM测试结果		
Tensile strength 抗拉度, ASTM D412:2013 (MPa)	2.6	
Elongation at break 断裂伸长率, ASTM D412:2013 (%)	12.2	
Consumption 用量		
For wet areas not subject to hydrostatic pressure 在无静水压力的潮湿环境下	1.0 kg/m² per coat/每层	
For wet areas subject to max. 1 m water-head 在不超过1 m水位的潮湿环境下	1.5 kg/m² per coat/每层	
Packaging 包装		
Component 组分 A = 20kg bag/袋 , Component 组分 B = 5kg drum/桶		

Planiseal 388

Two-component, polymer-modified, highly flexible, cementitious waterproofing membrane
双组分、聚合物改性和高弹性的水泥基防水液膜

Where to use

- Internal wet areas, examples-bathrooms, showers, kitchens, laundry areas
- Balconies and terraces before tiling
- Basins, reservoirs, concrete or masonry tanks
- Swimming pools and water features
- Foundation walls

适用范围

- 室内潮湿区域，如：洗手间、沐浴间、厨房、洗衣间
- 铺砖前的阳台和露台
- 防水池、蓄水池、混凝土或砖砌饮用水池的防水
- 游泳池和水景池
- 地下基础墙

Advantages

- Vapour-permeable, can be applied on damp substrates
- Easy application by brush, roller or trowel
- Highly flexible with good crack-bridging properties
- Compatible with ceramic, mosaic and natural stone coverings
- Reduces carbon dioxide penetration
- Non-toxic

优势

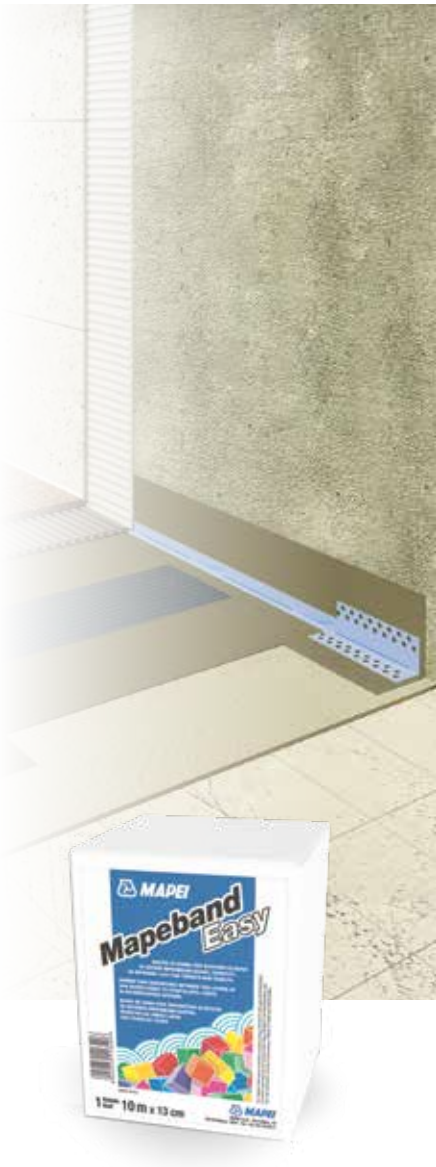
- 渗透型防水，可使用于潮湿基面上
- 可用长毛滚筒，毛刷或抹刀简易施用
- 高柔性、有良好的裂纹桥接能力
- 适用于瓷砖、马赛克、和天然石材安装材料
- 减少二氧化碳腐蚀
- 无毒

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点		
	Component 组分 A	Component 组分 B
Consistency 特征	Powder 粉末	Liquid 液体
Colour 颜色	Grey 灰色	White白色
Application Data 应用数据 (at 23°C at 50% R.H.)		
Colour of mix 混合物颜色	Grey 灰色	
Mixing ratio 混合配比	Component 组分 A : Component 组分 B = 2:1	
Pot life at +20°C 在20°C下的存罐时间 (mins/分钟)	60	
Application of following coats at 20°C 在20°C下，后续涂层施工等待时间 (hrs/小时)	After 5 but not more than 24 5小时以上，不超过24小时	
Ready for over-lay 铺砖前的等待时间 (days/天)	5	
Final Performance 用量		
Adhesion to concrete 28 days 28天后混凝土粘结强度 EN 1542 (MPa)	0.8	
Crack-bridging ability 裂纹桥接能力, MGE 49 (mm)	>1	
Tensile strength 抗拉度, ASTM D412:2013 (MPa)	1.5	
Elongation at break 断裂伸长率, ASTM D412:2013 (%)	102	
Consumption 用量		
For wet areas not subject to hydrostatic pressure 在无静水压力的潮湿环境下	1.0 kg/m² per coat x 2 coats 两层涂漆，每层1.0kg/m²	
For wet areas subject to hydrostatic pressure 在有静水压力的潮湿环境下	1.0 kg/m² per coat x 2 coats 两层涂漆，每层1.0kg/m²	
Packaging 包装		
Component 组分 A = 20 kg bag/袋 , Component 组分 B = 10 kg drum 桶		

Mapeband Easy

Rubber tape sandwiched between two layers of non-woven fabric to form elastic joints in waterproofing systems.
不织布夹层间的橡胶带，在防水系统内形成弹性接缝



Where to use

- Waterproofing corners between adjacent walls and between walls and floors
- Waterproof elastic check joints and terraces, balconies, etc

Advantages

- Highly elastic with elongation at failure of more than 300%
- Easy to apply, can be coated with chosen waterproofing product to bond floor or wall coverings

适用范围

- 经防水产品处理的墙面接缝，或是地面与墙体之间的接缝
- 经防水产品处理的台阶、露台等结构内的伸缩接缝

优势

- 高伸缩性，断裂伸长率可超出300%
- 简易使用，搭配特定防水涂料可用于粘结地板或墙面安装材料

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点	
Type of material 材料种类	Rubber tape sandwiched between two layers of non-woven polypropylene fabric 聚丙烯不织布夹层间的橡胶带
Thickness 厚度 (EN 1849-2) (mm)	0.68
Weight 重量 (EN 1849-2) (g/m²)	285
Tensile strength 抗拉强度 (EN ISO 527-3 (N/15mm)	45
Elongation at failure 断裂伸长率 (EN ISO 527-1) (%)	315
Packaging 包装	
10 m long by 130 mm wide rolls 每卷长度10米，阔度130毫米	

Scan QR code for video.
扫描二维码观看视频。

Mapetex GRP 225

A chopped-strand, fiberglass mat for tensile reinforcement of liquid-applied, waterproofing membrane systems
用于增强防水膜系统抗拉度的玻璃纤维短切原丝毡

Where to use

As a reinforcement fabric between application layers of waterproofing, for example:

- Aquaflex Roof 77
- Plastimul PU W
- Plastimul PU
- Plastimul MY and Plastimul RBE MY

Advantages

- Bound with resin to provide multi-directional tensile strength
- Good wet-through properties and resistant to atmospheric agents
- Light and easy to handle
- Easy to cut
- Readily adaptable to the substrate profile

适用范围

用于增强防水层性能的原丝毡，如：

- Aquaflex Roof 77
- Plastimul PU W
- Plastimul PU
- Plastimul MY 和 Plastimul RBE MY

优势

- 结合树脂形成多向抗拉强度
- 高渗透性，能抵御大气因素
- 轻便且易于使用
- 容易裁切
- 可应不同的基面轮廓成形

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点	
Appearance 材料外型	Mat made with chopped fiberglass strands, randomly distributed and bound with resin 含有树脂分布的玻璃纤维短切原丝毡
Colour 颜色	White 白色
Material of fibers 纤维材料	E-glass 无碱玻璃
Roll weight 卷材重量 (kg)	30+-2
Binder content 粘合剂含量 (ISO 1887:1995)(%)	5.1
Moisture content 水分含量 (ISO3344:1997)(%)	0.048
Tensile breaking force 拉伸断裂强度 (ISO03342) (N/150 mm):	350 (warp and weft/经纱和纬纱)
Penetration 耐刺穿性 (s)	30
Packaging 包装	
1.04 m wide by 120 m long rolls 每卷阔度1.04米，长度120 米	

Idrostop SW

A hydrophilic, expandable, butyl rubber, waterstop
具有亲水、膨胀性的丁基橡胶防水条

Where to use

- Joints between concrete slab and retaining walls
- Joints for new to old concrete
- Joints between different building materials, e.g. steel and concrete, stone and concrete
- Cold joints (temporary shrinkage joints) created during pouring to reduce the risk of cracking in long or monolithic structures

Advantages

- Idrostop SW expands when in permanent contact with water, creating a self-healing, joint waterstop.
- Idrostop SW has been tested to withstand 60 metre head of water pressure.
- Idrostop SW is non-toxic, making it suitable for use in structures containing water for human consumption and marine life

适用范围

- 混凝土板件和挡土墙之间的接缝
- 新旧混凝土之间的接缝
- 不同建筑材料的接缝，如：钢筋和混凝土、石材和混凝土
- 浇筑时因要减少长或大结构产生裂缝的风险性所形成的冷缝（暂时性收缩裂缝）

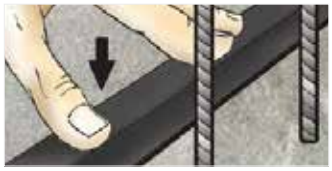
优势

- Idrostop SW与水永久性接触时膨胀，并能形成自愈合接缝防水条
- Idrostop SW已测试能承受60米水压
- 无毒，适用于装载饮用水结构和具有海洋生物的水槽

Application guide 应用方式

Cut the Idrostop SW strip to desired length
裁切所需的长度

Apply Idrostop SW Contact Adhesive evenly on Idrostop SW and directly on the substrate
在产品和基面上均匀施涂 Idrostop SW Contact Adhesive 粘合胶



Firm Idrostop SW, press it and move it all directions to make it adhere well
固定后进行按压，并左右移动以便确实与基面粘合

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点	
Form 形状	Pre-formed strip 预制橡胶条
Colour 颜色	Black 黑色
Available sizes 可用尺寸	20x15 mm (Idrostop SW 300) 25x19 mm (Idrostop SW 475)
Principle properties 原理性能	Expands when in permanent contact with water 与水永久性接触时膨胀
Application data 应用数据	
Application temperature 施工温度 (ºC)	-20 to/至 +50
Waiting time before pouring concrete if the installation has been carried out with Idrostop SW Contact Adhesive 施工后，浇筑混凝土前的等待时间 (hrs/小时)	4 -12
Final Performances 工作性能	
Expansion in water 水中膨胀比率 (%) -after 7 days 7天后 -after 14 days 14天后 -after 28 days 28天后 -after 56 days 56天后	 approx./约 115 approx./约 130 approx./约 140 approx./约 175
Impermeability 抗渗性	Up to/ 高达 6 bar
Packaging 包装	
Idrostop SW 300 (20x15 mm) Idrostop SW 475 (25x19 mm)	7.5 m roll, 8 rolls per carton 每卷尺寸7.5m, 一箱共8卷 5 m roll, 6 rolls per carton 每卷尺寸5m, 一箱共6卷
Storage 存效期	
Idrostop SW can be stored for 12 months in a dry place at temperatures between +10ºC and +40ºC 在+10ºC 至 +40ºC的干燥环境下Idrostop SW可保存12个月	

Mapegrout Patch 218

Fibre-reinforced, shrinkage-controlled, patch repair mortar
加固纤维,低收缩结构修补砂浆

Where to use

- Repair of damaged concrete surfaces
- Securing foundation and anchor bolts, pipe-clips, sanitary ware, hinges
- Repair of concrete conduits, drains, tanks, etc
- Filling concrete cavities in electrical, piping and air-conditioning works
- Repair of surface irregularities including exposed aggregates, joints between new and old concrete, tie-rod holes in formwork concrete, protruding steel, etc
- Reprofiling damaged corners of pre-cast panels

Advantages

- High compressive strength: >50 N/mm²
- High adhesion strength on concrete: >2 N/mm²
- Fibre-reinforced
- Shrinkage-controlled

适用范围

- 修复损坏的混凝土表面
- 牢固基面与螺栓、管夹、卫生器具和枢纽
- 修补混凝土管道、排水管、水槽等
- 填补电气、管道以及空调工程中的孔洞
- 修复表面的不规则位置，包括露外的骨料，新旧混凝土之间的接缝，模具混凝土基面上的孔以及突起的钢桩等
- 重建损坏的预制混凝土角落

优势

- 高抗压强度：>50 N/mm²
- 高混凝土粘结强度：>2 N/mm²
- 加固纤维
- 低收缩结构

Scan QR code for video.
扫描二维码观看视频。

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点	
Colour 颜色	Grey powder 灰色粉末状
Application data 应用数据 (at +23°C and 50% R.H.)	
Mixing ratio 混合配比	14-16% water/份水 (3.5-4.0 litres per 25 kg bag / 每袋25kg加 3.5-4.0L 水)
Consistency of mix 混合物比重	thixotropic/trowelable 可涂抹的触变性混合物
Initial flow 塌落度 EN 1015-3 (mm)	145
Density of mix 混合物密度 (kg/m³)	2,100
pH of the mix 混合物pH值	>12
Application temperature range 施工温度范围 (°C)	+5 to/至 +40
Pot-life of mix 適用時間 (mins/分钟)	60
Maximum thickness per layer 每层施工厚度 (mm)	30
Mixing 颜色 颜色	Mix 14-16% of water with every kg of powder 将14-16%净水与25公斤粉搅拌
Final Performances (15% mixing water)	
Compressive strength 抗压强度 (N/mm²) - 1 day 1天后 - 7 days 7天后 - 28 days 28天后	 >20 >40 >50
Flexural strength 抗折强度 (N/mm²) - 1 day 1天后 - 7 days 7天后 - 28 days 28天后	 >4 >6 >10
Adhesion strength on concrete 7 days 7天后对混凝土的粘结强度 (N/mm²)	>2
Consumption	
Approximately 18.3 kg of powder per m² per 10 mm thickness (based on 15% water ratio) 每10mm厚度用量为 18.3 kg/m² (根据15%水量拌和比例)	
Packaging 包装	
4x5 kg box or 25 kg bag 袋装 / 4x5 kg盒装或25 kg袋装	

Mapefill 318

Multi-purpose, shrinkage-compensated, fluid cementitious grout for filling of gaps, voids and holes for anchoring and concrete repairs

用于填充缝隙、空隙和孔洞，以作锚固和混凝土修复的多功能、补偿收缩水泥基填缝浆料

Where to use

- Anchoring of columns and posts
- Anchoring of starter bars
- Repair of broken concrete
- Patching up piping and ducting holes
- Filling gaps under baseplates

适用范围

- 锚固柱子和栏杆
- 锚固预留搭接钢筋
- 修复破损的混凝土
- 修补管道和管道孔
- 填充基底下的缝隙

Advantages

- Shrinkage-compensated
- Can be mixed for pumping, pouring or trowelling
- High early and ultimate strengths
- Iron and chloride-free
- Non-toxic
- Easy to mix and apply

优势

- 补偿收缩砂浆
- 可使用泵，浇筑或抹刀施涂材料
- 初始强度、极限强度较高
- 不含铁、不含氯
- 无毒
- 易于混合及施涂

Application examples 应用实例

Footings for columns and posts
圆柱、柱子立足

Filling gaps under baseplates
填充基底下的缝隙

Anchoring of starter bars
锚固预留搭接钢筋

Scan QR code for video.
扫描二维码观看视频。

Technical Data (Typical Values) 技术数据 (典型值)

In compliance with 符合标准 : EN 196-1 , ASTM C939 , ASTM C 940

Product Identity 产品特点		
Consistency 特征	Powder 粉末状	
Colour 颜色	Grey 灰色	
Application Data 应用数据		
Mixing ratio, water with 25 kg bag of Mapefill 318 (litres) 混合配比，水与25kg粉剂比例（公升） - Flowable mix 流动混合物 - Pourable mix 浇注混合物 - Trowellable mix 可涂抹混合物	 4.25-4.75 3.75-4.25 3.25-3.75	
Flow 稠度 (ASTM C 939) (s)	35 (using 19% water/ 采用19%的水)	
Pot life 存罐时间 (min/分钟)	60	
Final Performances 工作性能		
Compressive strength 抗压强度 - 1 day 1天后 - 7 days 7天后 - 28 days 28天后	With 19% water 采用19%的水 30 55 65	With 16% water 采用16%的水 40 65 75
Flexural strength 抗折强度 (MPa) - 1 day 1天后 - 7 days 7天后 - 28 days 28天后	With 19% water 采用19%的水 5 7 8	With 16% water 采用16%的水 6 8 9
Bleeding 泌水性 (ASTM C 940)	Absent 无	
Volume expansion 体积膨胀 (%) (ASTM C940)	1.0	
Consumption 用量		
25 kg bag of Mapefill 318 yields approximately 每25kg包装的Mapefill 318可生产大约	13.2-13.4 litres of grout with 4.0-4.5 litres of mix water 采用4至4.5公升的水，可生产13.2至13.4公升的灌浆 13.0-13.2 litres of grout with 3.5-4.0 litres of mix water 采用3.5至4公升的水，可生产13至13.2公升的灌浆 12.7-13.0 litres of grout with 3.0-3.5 litres of mix water 采用3至3.5公升的水，可生产12.7至13公升的灌浆	
Packaging 包装		
25 kg bags/袋装		

Mapefix PE SF

Fast-curing, styrene-free, chemical adhesive for a wide range of heavy-duty, anchoring applications into concrete, brick-work, hollow blocks, stone-work, rocks

快速固化，无苯乙烯，广泛适用于混凝土、砖墙、空心砖、石材和岩石等重型荷载锚固用的化学胶粘剂

Where to use

For fast-set anchoring of:

- Starter bars
- Sanitary fittings such as sinks, toilet bowls
- Electrical fittings such as ceiling fans, air conditioners
- Window and door fittings
- Pipes
- Brackets and shelves

适用范围

可快速锚固:

- 预留搭接钢筋
- 洁具，如下沉式抽水马桶
- 电气配件如吊扇,空调
- 窗户和门等配件
- 管道
- 支架和架子

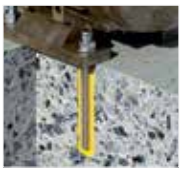
Advantages

- Fast-setting
- Heavy-duty
- For horizontal, vertical and overhead anchoring
- Suitable for wide range of substrates including hollow blocks
- May be used in damp substrates
- Good UV, chemical and water resistance
- Styrene-free and low-odour

优势

- 快速安装
- 适用于重荷载区域
- 适用于垂直面、水平面及顶板等锚固
- 广泛适用于多种基面，包括空心砖
- 可用于潮湿基面
- 具有良好抗紫外线，防化学腐蚀和防水
- 无苯乙烯，气味少

Application examples
应用实例



Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点		
Consistency 特征	Thixotropic paste 触变型糊状	
Colour 颜色	Light grey 浅灰色	
Density 密度 (g/cm³)	1.74	
Application Data 应用数据 (at 23°C at 50% R.H.)		
Application temperature range 施工温度范围 (°C)	-5 to/至 +35	
Start setting time T_{gel} 开始固化时间 (30°C) (mins/分钟)	4	
Final hardening time T_{cure} 完全固化时间 (30°C) (mins)	Dry substrate 干燥基面 25	Damp substrate 潮湿基面 50
Performance Characteristics 性能特点		
Compressive strength 抗压强度 (N/mm²)	75	
Flexural Strength 抗折强度 (N/mm²)	30	
Dynamic modulus of elasticity 活跃弹性系数 (N/mm²)	4000	
Resistance to UV rays 抗紫外线	good 良好	
Chemical resistance 抗化学腐蚀	good 良好	
In-service temperature range 使用温度范围	very good 优良	

Scan QR code for more data information.
扫描QR码以浏览更多产品信息。

Mapeflex MS 45

One-component, flexible, thixotropic, quick-hardening, sililated polymer-based, hybrid sealant and adhesive with a high modulus of elasticity. Also suitable for damp substrates
单组份触变型，快干硅酸盐聚合基混合密封胶，可作为高弹模粘结胶，也适用于潮湿基面

Where to use

Use as sealant

- Sealing expansion, fillet and distribution joints subject to movement of up to 20% of the average width of the joint
- Traditional and ventilated facades
- Civil and industrial floors, including those subject to heavy vehicular traffic
- Window and door fittings
- Paintable joints

Use as flexible adhesive, Mapeflex MS 45 bonds on the following

- Cement-based materials
- Bricks
- Steel
- Copper
- Aluminium
- Ceramic and klinker
- Many types of plastic

Advantages

- Made of sililated polymers, free of silicon and isocyanates
- Does not blister even during damp conditions
- Has a longer shelf life, up to 15 months in its original packaging in a dry, cool place
- Mapeflex MS45 forms a better bond on compact and absorbent substrates compared to neutral silicone
- Paintable: use a flexible paint such as Elastocolor Paint

适用范围

用作密封胶

- 密封承受变形量为缝宽20%的伸缩缝角，焊接缝和部件接口接缝
- 传统外墙和通风幕墙
- 民用及工业用地坪，包括受到车辆重载的地方
- 门窗配件
- 可上漆的接缝处

当作为粘结胶使用时，Mapeflex MS45可黏在

- 水泥基材料基面
- 砖表面
- 钢表面
- 铜表面
- 铝表面
- 瓷砖和缸砖基面
- 多种塑料基面

优势

- 由硅烷聚合物制成，不含硅酮及异氰酸酯
- 在潮湿的环境下也不会起鼓
  更长的存放期。
- 原包装不开封，干燥、阴凉的环境下可存放15个月
- 与中性硅酮产品相比，Mapeflex MS 45与密实和吸收性基面粘结力更强
- 表面可上漆：使用柔韧性涂料如Elastocolor Paint
- Thixotropic paste 触变型糊状

Scan QR code for video.
扫描二维码观看视频。

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点	
Appearance 稠度	Thixotropic paste 触变型糊状
Colour 颜色	Grey/灰色 113
Density 密度 (g/cm³)	1.50
Dry solids content 固含量 (%):	100
Application data 应用数据 (at +23°C and 50% R.H.)	
Application temperature range 施工温度范围 (°C)	-5 to/至 +35
Skin time 成皮时间 (mins/分钟)	35
Complete hardening 完全固化时间	3.5 mm/24 hrs/小时, 4.5 mm/48 hrs/小时, 8.5 mm/7 days/天
Set to light foot traffic 可承受轻步行荷载	according to the depth of the joint 视缝深而定
Final Performances 工作性能	
Shore A hardness 邵氏硬度 (DIN 53505)	43
Tensile Strength 抗拉强度 (ISO 37 type 3) (N/mm²) -after 28 days at +23°C 在+23℃环境中28天后	1.85
Elongation at failure 断裂伸长率 (ISO 37 type 3) (%) -after 28 days at +23°C 在+23℃环境中28天后	500
Resistance to UV rays 抗紫外线 (ASTM C793)	excellent 特强
Springback 回弹率 (%)	90
Packaging 包装	
Boxes of 12 (300 ml cartridges) 每盒12支 300ml支装	

Mapetop SP

Ready-to-use, dry shake, surface hardener
合成树脂基水性界面剂

Where to use

Abrasion-resistant, concrete floors and industrial screeds for moderate to heavy-duty use in internal and external areas:

- Parking garages
- Parking decks
- Warehouse floors
- Loading ramps
- Industrial floors
- Maintenance facilities

Advantages

- Excellent mechanical properties
- High abrasion-resistance and compressive strength
- Reduced dusting
- Easy-to-maintain surface
- Resistant to oils and greases

适用范围

适用于在室内外、对承受中到重度载荷的混凝土地坪和工业地坪进行整体耐磨处理:

- 停车库
- 停车坪
- 仓库
- 装载坡道
- 工业地坪
- 维修设施

优势

- 由精选波特兰水泥、优质粒度分布的骨料、特殊添加剂和抗碱、耐日光的颜料制备而成
- 良好的强度
- 高耐磨和高抗压
- 防尘和易护理表面
- 防油迹

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点		
Type 类型	Ready to use powder 即用型粉末	
Colour 颜色	Natural grey (light grey, dark grey and red on request) 天然灰(可要求：浅灰色、深灰色和红色)	
Application Data 应用数据		
Dosage 用量 (kg/m²) - Light duty 轻度 - Medium duty 中度 - Heavy duty 重度	 4 5 6	
Minimum working temperature (air and substrate) (°C) 最低可施工空间和地面温度	+5	
Final Performance 工作性能		
Pull off strength 拉伸强度 (N/mm²)	>1.5	
Compressive and flexural strength carried out on 4x4x16 cm prisms (N/mm²) 以4x4x16 cm棱柱体抗压、抗折强度(N/mm²)	Flexural strength 抗折强度	Compressive strength 抗压强度
- After 3 days 3天后	about/大约 7	about/大约50
- After 7 days 7天后	about/大约 9	about/大约 60
- After 28 days 28天后	about/大约 11	about/大约 70
Packaging 包装		
25 kg bag/袋装		

Novoplan 21

Fast hardening, self-levelling, smoothing compound for thicknesses from 1 to 5 mm
施工厚度1~5 mm的快硬型自流平砂浆

Where to use

- Used as levelling and smoothing compound for new or existing cementitious substrates as underlayment for PVC, linoleum, rubber, cork, textile and non-woven flooring.
- Suitable for interior conditions in thicknesses from 1 to 5 mm.
- Smoothing over existing ceramic tiles, terrazzo, natural stone and magnesite floors.

Advantages

- Very fluid, easily workable mix with excellent self-levelling properties and cures rapidly.
- Can be applied in thicknesses up to 5 mm per single layer.
- Good resistance to impact and abrasion
- Suitable as underlayment for wheelchair traffic.
- Good compressive and flexural strength.

*existing substrate must be treated with a coat of Primer G.

适用范围

- 作为新的或已有的水泥基地坪上铺设PVC地板、油毡、橡胶、软木、织物或非织物地毯时的基层找平材料
- 适用于室内垫层，铺设厚度1- 5 mm
- 瓷砖地面、水磨石地面、天然石材地面和菱苦土地面的找平

优势

- 流动度大、简单易用、自流平性能优异并快干
- 单层铺涂厚度可达到5 mm
- 有良好的抗冲击性能和耐磨性，硬度能承受轮椅碾压
- 有良好的抗压和抗折强度

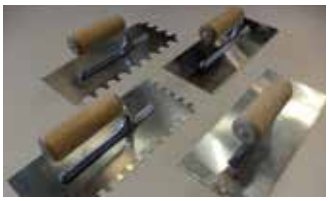
Scan QR code for video.
扫描二维码观看视频。

Technical Data (Typical Values) 技术数据 (典型值)

Product Identity 产品特点	
Consistency 特征	Fine Powder 细粉状
Colour 颜色	Grey 灰色
Application Data 应用数据 (+23°C – 50% R.H.)	
Mixing ratio 混合配比	Approximately 25-26 parts water for 100 parts by weight of Novoplan 21 重量比大约为 : 水:粉剂=25-26:100
Thickness per coat 每层厚度 (mm)	1 - 5
Application temperature range (°C) 施工温度范围	+5 to/至 30
Pot life 存罐时间 (mins/分钟)	approx./约 20-30
Setting time 凝结时间 (mins/分钟)	approx./约 50-70
Set to light foot traffic 可供步行荷载时间 (hrs/小时)	3-4
Waiting time before bonding 可铺设面材时间 (hrs/小时)	24
Final Performances 工作性能	
Compressive strength 抗压强度 (EN 196) (N/mm²) After 28 days 28天后	22.0
Flexural strength 抗折强度 (EN 196) (N/mm²) After 28 days 28天后	7.0
Consumption 用量	
1.6 kg/m² per mm of thickness 每mm厚度用量1.6kg/m²	
Packaging 包装	
25 kg bag/袋装	

TOOLS FOR TILE ADHESIVE & GROUT 瓷砖胶和填缝剂所需工具

Trowels for Adhesives 瓷砖胶抹刀



Apply the adhesive with a suitable notched trowel so that the right amount of adhesive is applied and to guarantee the back of the tile is wetted correctly. The amount of adhesive required varies according to the area of final use, the roughness of the substrate and the format of the tiles.
使用合适的齿形抹刀将胶粘剂以需要的厚度铺涂，并确保涂满瓷砖背面。瓷砖胶用量视最后施用区域、基面粗糙性和瓷砖尺寸而定。

Grouting Tools 填缝剂工具

Rubber float for grouting joints. Sponge for cleaning grouts.
用橡胶刮板进行填缝。用海绵清洁和修整砖缝。

HOW TO PREPARE & APPLY ADHESIVE

The surface should be structurally sound, clean and free of all dirt, oil, grease, paint, laitance, concrete sealers or curing compound.
基层必须平整、牢固，不存在松散物、油脂、漆蜡、混凝土密封剂或固化剂

Pour the recommended amount of water into a clean mixing pot.
在干净的容器中，加入所需重量的净水。

Gradually add the powder and mix with a low speed mechanical stirrer to a smooth, lump-free trowelable consistency. Only mix the amount of adhesive that can be used within its workability time.
一边搅拌一边加入粉剂，用慢速搅拌器搅拌至均匀无结块状。请只制备可在存罐时间内用完的瓷砖胶。

Apply the adhesive onto the prepared substrate using a notched trowel. Do not spread more than 1m² at a time.
用齿型抹刀涂敷拌和物。每次避免涂敷超过1方尺。

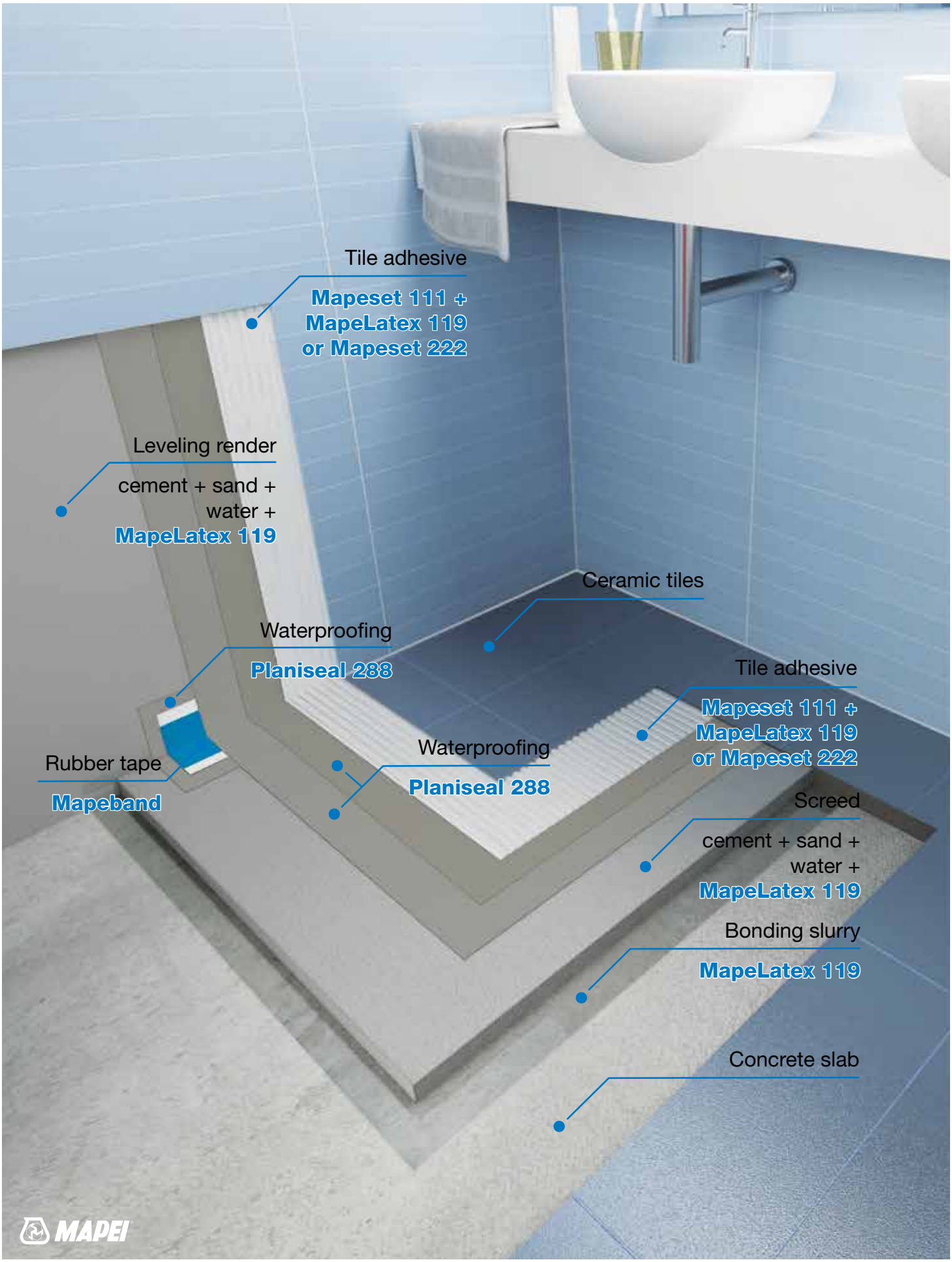
Back butter tiles which are larger than 300 x 300mm to provide full bedding and firm support.
瓷砖大于300 x 300mm时，均应将胶粘剂均匀地施用在瓷砖背面（背涂法）以保证覆盖完全。

Press tiles onto the wet, sticky adhesive and gently knock with a rubber mallet to embed tile and adjust level.
为保证与胶粘剂有良好的接触，瓷砖应用力铺压到位，并使用橡皮锤轻轻敲打瓷砖面。

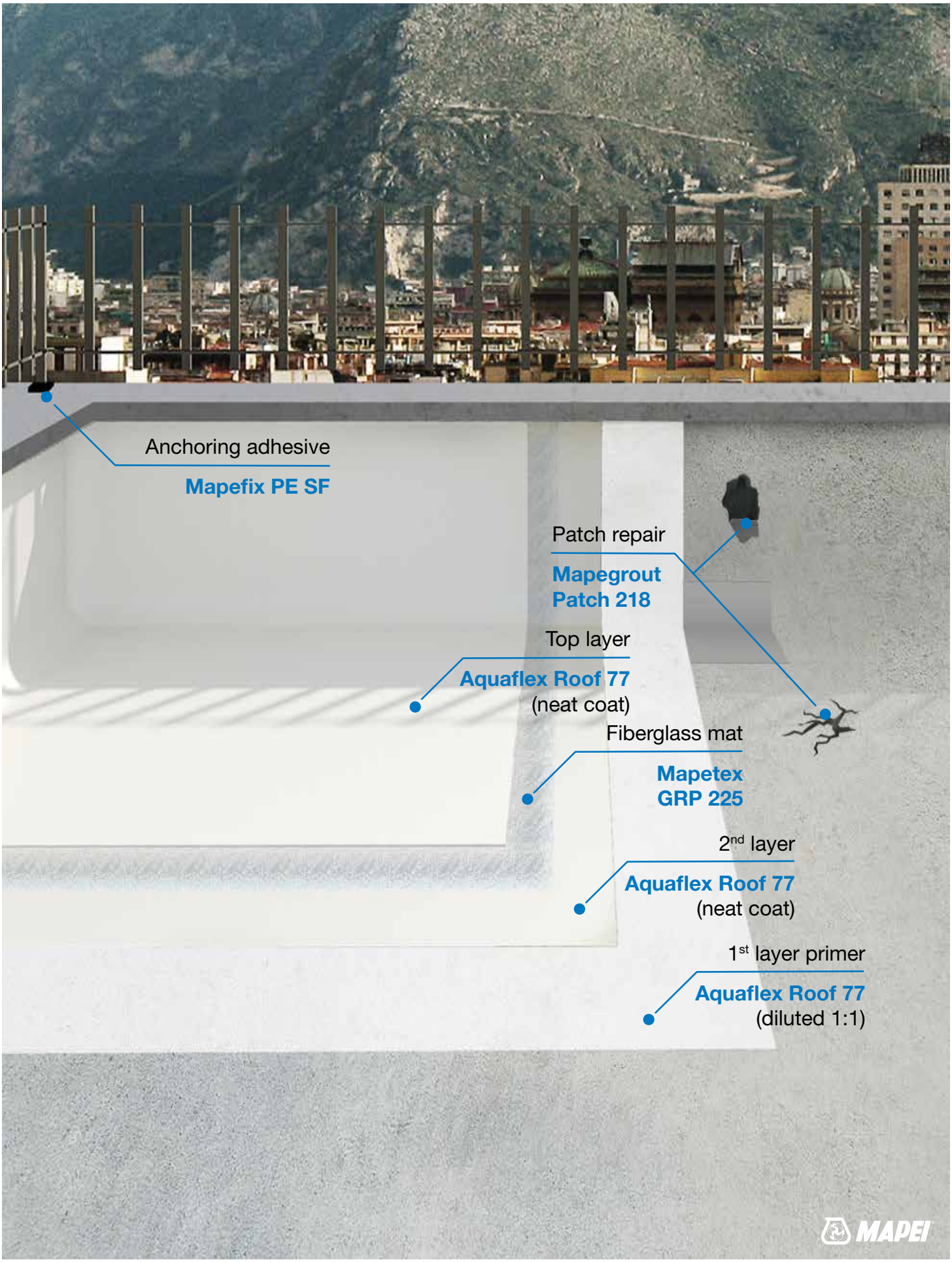
Scan QR code for video.
扫描二维码观看视频。

Waterproofing & Ceramic Tile Installation in Bathrooms & Toilets

浴室与厕所防水和瓷砖安装



Waterproofing of Concrete Decks
e.g. Roofs & Balconie
混凝土桥面防水如屋顶和阳台



More than **80 years** of history. **Thousands** of global projects.

At Mapei we see the world as an enormous building site. All around the world, our products and technical assistance have contributed to important constructions; a tangible sign that Mapei is ever present on the global construction stage. The most exciting project is the future.

Here are some of the prestigious projects of the Mapei Group worldwide.

International Projects References

1. **Piazza Duomo, Italy**
   Repairing Baveno Pink Granite Flooring

2. **Marina Bay Sands Resorts, Singapore**
   Structural & Concrete Repair, Waterproofing, Ceramic & Stone Tiles Installation.

3. **Burj Khalifa (Armani Hotel & Night Club), UAE**
   Substrate & Wooden Floors Installation

4. **New Canal De Panama, Panama City and Colon Panama**
   Concrete Admixture & Waterproofing

5. **Enzo Ferrari Museum, Italy**
   Resin *Flooring System*

6. **London Olympic Stadium, United Kingdom**
   Installation of Rubber Track

7. **Alla Scala Theatre, Italy**
   Full Renovation & Restoration. Concrete Admixtures, Mortars, Binders, Paints & Adhesive Tile.

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Community identity is evolving to become more centred around landmarks. Within the context of ambitious visions of urban redevelopment, these are constructed to have a positive influence on the local economy and community culture. At Mapei we are proud of the part we play in these projects, providing expertise, passion and solutions to optimise the experience for a neighbourhood.

Here are some of the prestigious projects of the Mapei Malaysia

Local Projects References

1. **KLCC Twin Towers, KL**
   Waterproofing, Tile Adhesives & Grout

2. **Arcoris Mont' Kiara, KL**
   Waterproofing, Adhesives & Grout

3. **Plaza Equatorial, KL**
   Adhesives & Grout

4. **AirAsia RedQuarters**
   Flooring

5. **Aquatic Centre, Bukit Jalil**
   Waterproofing, Adhesives & Grout

6. **Masjid Negara, KL**
   Waterproofing, Adhesives & Grout

7. **KVMRT, Bukit Bintang**
   Waterproofing

8. **Encore Melaka Theatre, Melaka**
   Waterproofing

9. **Sarawak Golden Bridge, Kuching**
   Flooring

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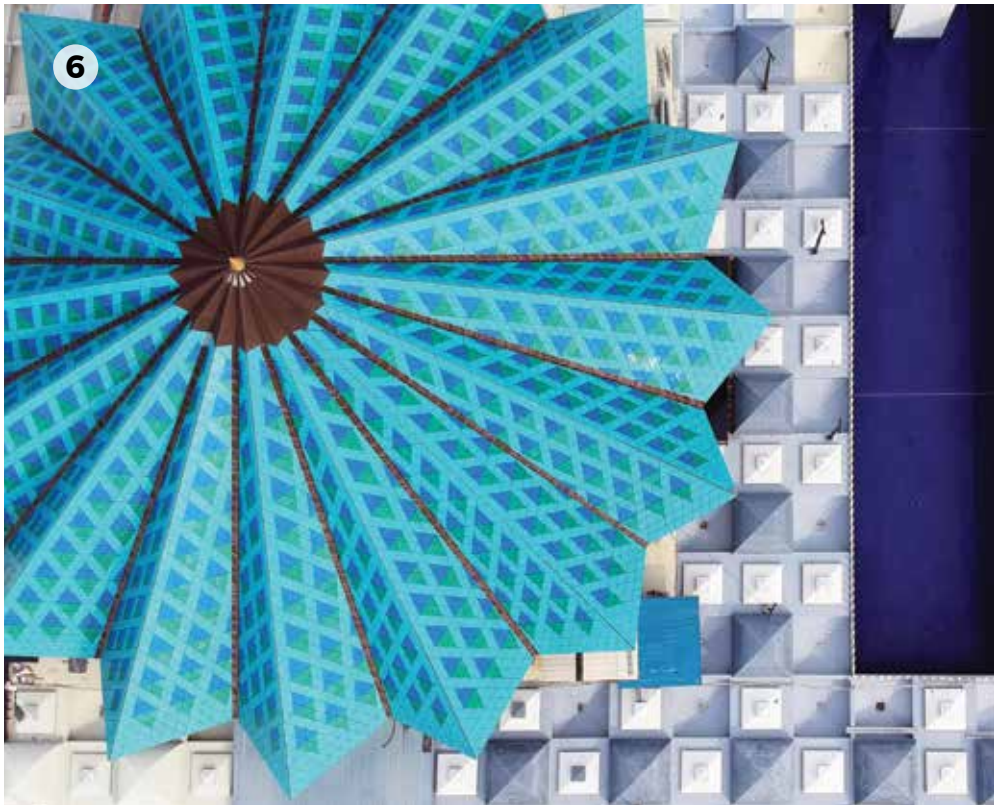
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SUSTAINABILITY

MAPEI AND THE ENVIRONMENTAL IMPACTS OF THEIR PRODUCTS

The International EPD® System
www.environdec.com

EPD®

THE INTERNATIONAL EPD® SYSTEM

ENVIRONMENTAL PRODUCT DECLARATION

Mapei prove the environmental credentials of their products using the Environmental Product Declarations (EPD). **An EPD is a transparent document, verified and certified by a third party body, which describes all the environmental impacts of a product during its whole life cycle, measuring all impacts by the LCA (Life Cycle Assessment) standardized methodology.**
Typically an EPD will include information about a product's impact on categories such as the global warming, caused by greenhouse gas emissions, the ozone depletion, the natural resources depletion, the eutrophication (abnormal growth of aquatic organisms, such as algae, which causes the depletion of aquatic fauna), the acidification due to pollutants, which causes acid rains.

Mapei EPDs are developed according to ISO 14025, EN 15804 and PCR Environdec (Version 2.01) and are published on the EPD International Platform.

GWP_{100}
Global Warming Potential

POCP
Photochemical Ozone Creation Potential

EP
Eutrophication Potential

AP
Acidification Potential

ODP
Ozone Depletion Potential

ADP_e
Abiotic Depletion Potential (elements)

ADPf
Abiotic Depletion Potential (fossil)

EUROPE, LIVING THE DREAM TOGETHER

Sassuolo, founded in 1920 and played in the Emilian amateur divisions for most of its history. **In 2002, MAPEI bought the club** and led them from Serie C2 to Europa League. Since then, Sassuolo escalate to a higher level each year. **In 2012–13**, Sassuolo won the Serie B title, thus promoted to **Serie A**.

MAPEI

www.sassuolocalcio.it

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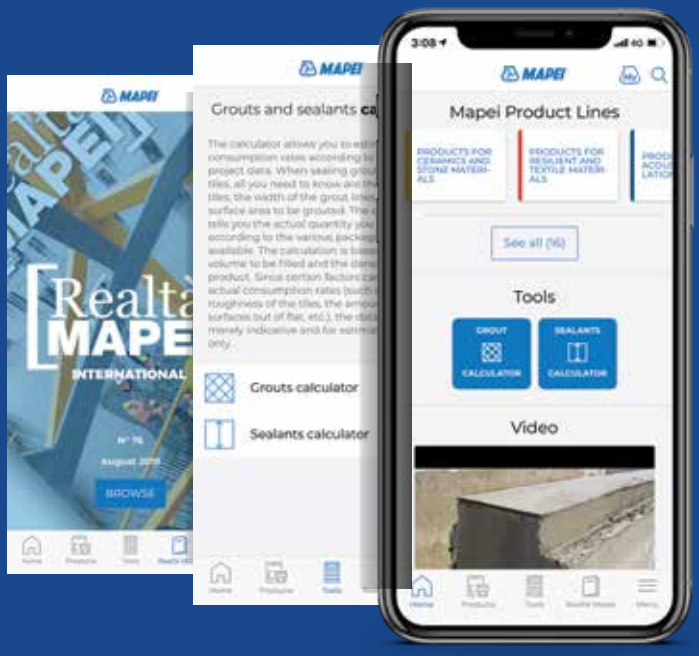

The world of Mapei in your hands

Find out more on Mapei from our products catalogue, and from the relevant technical documentation and videos. The grouts and sealants calculator allows you to estimate the correct quantity of product needed for your project. Stay up-to date with Realtà Mapei magazine, our communication tool with the building world and with anyone appreciating and using our products.

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