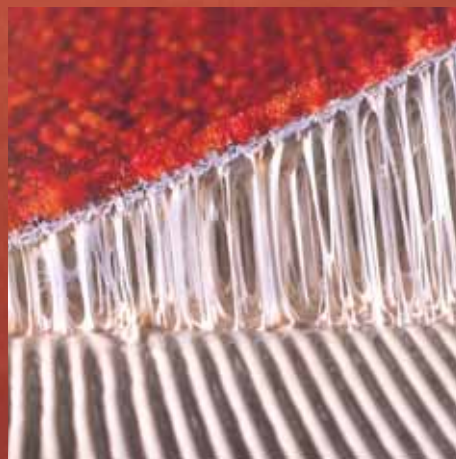




**PRODUCTS FOR THE INSTALLATION  
OF RESILIENT, TEXTILE AND WOOD  
FLOOR AND WALL COVERINGS**



# Resilient, textile and wood line

Rubber, linoleum and vinyl are products which have similar performance specifications in common (such as elasticity, flexibility, impermeability, ease of cleaning, insulation against impact noise, resistance to wear and stains, etc) which make them particularly suitable in environments such as hospitals, schools, gymnasiums and industrial facilities and wherever hygiene, functionality, comfort and an attractive finish are required.

Because of their special nature and technical characteristics, these materials require specific substrates, products and laying systems (binders and mortars for screeds, primers, levelling and smoothing compounds and adhesives) which MAPEI, the leading company in this sector for more than fifty years, is able to offer.

Alongside the adhesive range, MAPEI also offers an extremely wide range of admixtures, pre-blended binders and mortars for screeds, primers, insulating materials, consolidators and anti-humidity barriers, as well as smoothing compounds and auxiliary products for the installation of long-lasting floors and resilient materials.



## Our commitment to the environment

MAPEI has always been committed to research and development into products which safeguard the environment, the health of those who use them and of those who use the areas where they are applied, and since 1980, they have developed a series of products which emit an extremely low level of volatile organic compounds.

Since October 2005, these products which had already been tested by internationally recognised institutions such as the German TFI (Teppich Forschung Institute) and by the CRI (Carpet and Rug Institute), bear the "EMICODE EC 1 - very low emission level of volatile organic compounds" mark, awarded by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an association which controls the emission levels of products for floors, adhesives and materials for building and of which MAPEI is now an ordinary member.



## Maximum emission levels of EMICODE EC1 products:

Residual emission after 10 days: • organic adhesives: <math>< 0.5 \text{ mg/m}^3</math> • primer: <math>< 0.1 \text{ mg/m}^3</math> • powder products: screeds/smoothing and leveling compounds, cementitious adhesives: <math>< 0.2 \text{ mg/m}^3</math>



The **Green Innovation** symbol identifies products with certain characteristics which contribute to achieving eco-sustainable buildings:

- products with an extremely low emission level of volatile organic compounds,
- products with an extremely low emission level of dust during the mixing and storage phases,
- products which avoid the formation of mould when applied in damp environments,
  - products which help to improve environmental wellbeing, for example by improving sound-proofing against the noise created by foot-traffic,
- products based on the use of raw materials from recycled materials, to reduce impact on the environment deriving from the extraction of virgin materials.

For further information about these products, take a look at the technical data sheets provided in folder No. 2 and from MAPEI internet address [www.mapei.com](http://www.mapei.com).

## Admixtures, binders and pre-blended mortars for screeds



### SELECTION TABLE OF MAPEI PRODUCTS FOR THE PREPARATION OF SCREEDS WITH SPECIAL BINDERS AND PRE-BLENDED MORTARS

### SOUNDPROOFING SYSTEMS FOR FLOORING

Mapesilent Panel	8
Mapesilent Roll	8
Mapesilent Band	9
Mapesilent Door	9
Mapesilent Tape	9

### PREPARATION OF SCREEDS

Mapefluid N200	10
Mapefluid PZ500	10
Mapecem	12
Mapecem Pronto	12
Topcem	13
Topcem Pronto	13

## Cleaning materials, primers, insulating materials, consolidating compounds and moisture barriers



### SELECTION TABLE OF MAPEI PRODUCTS FOR THE PREPARATION OF SUBSTRATES

Pulicol	14
Eporip	16
Eporip Turbo	16
Primer G	17
Eco Prim T	17
Mapeprim 1K	18
Mapeprim SP	18
Profas	19
Primer EP	19
Primer MF	20
Eco Prim PU 1K	20
Eco Prim PU 1K Turbo	20
Triblock P	21
Quartz 1.2	21
Mapelay	21

## Smoothing compounds and additives



### SELF-LEVELLING SMOOTHING COMPOUNDS

Ultraplan	22
Ultraplan Eco	23
Ultraplan Maxi	23
Plano 3	23
Fiberplan	24
Pianodur R	24
Planolit	24
Novoplan 21	25
Planopur	25

### THIXOTROPIC SMOOTHING COMPOUNDS

Nivorapid	26
Planipatch	27
Pianocem M	28
Planitex A	29

### ADDITIVES

Latex Plus	30
Livigum	31
Planicrete	31

## Adhesives for textile flooring



### SELECTION TABLE OF MAPEI PRODUCTS FOR THE INSTALLATION OF TEXTILE FLOORING

32

#### ECO ADHESIVES

<b>Ultrabond Eco 170</b>	34
<b>Ultrabond Eco 185</b>	34
<b>Aquacol T</b>	35
<b>Mapecryl Eco</b>	35
<b>Ultrabond Eco Fix</b>	35

#### ADHESIVES IN WATER EMULSION

<b>Rollcoll</b>	36
-----------------	----

#### ADHESIVES BASED ON RESINS IN ALCOHOL

<b>Adesilex F57</b>	38
---------------------	----

#### CONTACT POLYCHLOROPRENE ADHESIVES

<b>Adesilex LP</b>	39
<b>Adesilex VZ</b>	39

## Adhesives for softflooring



### SELECTION TABLE OF MAPEI PRODUCTS FOR THE INSTALLATION OF SOFTFLOORING

40

#### ECO ADHESIVES

<b>Ultrabond Eco 350</b>	42
<b>Ultrabond Eco 380</b>	42
<b>Ultrabond Eco V4 SP</b>	43
<b>Ultrabond Eco VS90</b>	43
<b>Mapecryl Eco</b>	43
<b>Ultrabond Eco 520</b>	44
<b>Ultrabond Eco 540</b>	44
<b>Aquacol T</b>	45
<b>Ultrabond Eco 185</b>	45

#### ADHESIVES IN WATER EMULSION

<b>Rollcoll</b>	46
<b>Adesilex V4</b>	46

#### ADHESIVES BASED ON RESINS IN ALCOHOL

<b>Adesilex F57</b>	47
---------------------	----

#### CONTACT POLYCHLOROPRENE AND ELASTOMERIC ADHESIVES

<b>Ultrabond Aqua-Contact</b>	48
<b>Ultrabond Aqua-Contact Cork</b>	48
<b>Adesilex LP</b>	49
<b>Adesilex VZ</b>	49

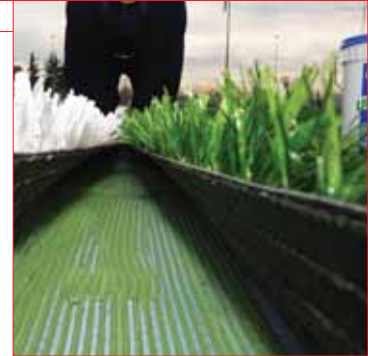
#### TWO-COMPONENT EPOXY-POLYURETHANE, POLYURETHANE AND EPOXY ADHESIVES

<b>Adesilex G19</b>	50
<b>Adesilex G20</b>	51
<b>Adesilex UP71</b>	52
<b>Adesilex G12</b>	52

#### CEMENTITIOUS ADHESIVES

<b>Granirapid</b>	53
-------------------	----

## Products for the installation of sports flooring



### SELECTION TABLE OF MAPEI PRODUCTS FOR THE INSTALLATION OF SPORTS FLOORING

54

#### PRODUCTS FOR THE INSTALLATION OF PVC AND RUBBER

<b>Adesilex G19</b>	56
<b>Adesilex G20</b>	56
<b>Adesilex UP71</b>	57
<b>Mapelay</b>	57
<b>Ultrabond Eco V4 SP</b>	57

#### PRODUCTS FOR THE INSTALLATION OF SYNTHETIC GRASS

<b>Ultrabond Turf PU 2K</b>	58
<b>Ultrabond Turf PU 1K</b>	58
<b>Ultrabond Turf EP 2K</b>	59
<b>Ultrabond Turf Tape 100</b>	59

## Products for the installation of conductive flooring



▶ <b>SELECTION TABLE OF MAPEI PRODUCTS FOR THE INSTALLATION OF CONDUCTIVE FLOORING</b>	60
▶ <b>CONDUCTIVE PRIMERS</b> Primer G Conductive	62
▶ <b>CONDUCTIVE ADDITIVES</b> Mapelectric CP1	62
▶ <b>ECO ADHESIVES</b> Ultrabond Eco V4 Conductive	62
▶ <b>ADHESIVES IN WATER EMULSION</b> Aquacol T Conductive	63
▶ <b>CONTACT POLYCHLOROPRENE ADHESIVES</b> Adesilex VZ Conductive	64
▶ <b>TWO-COMPONENT EPOXY-POLYURETHANE ADHESIVES</b> Adesilex G19 Conductive	65

## Adhesives for wall coverings



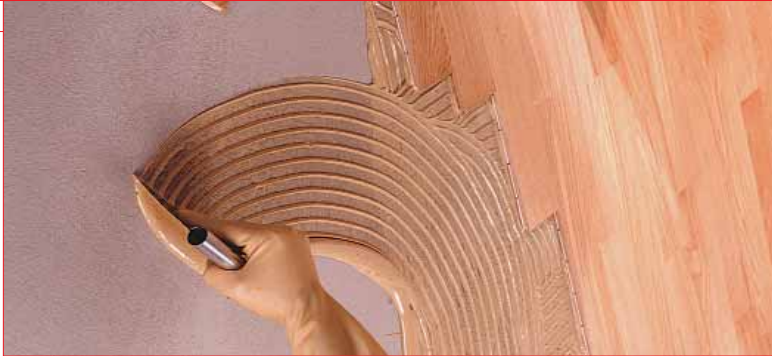
▶ <b>SELECTION TABLE OF MAPEI PRODUCTS FOR THE INSTALLATION OF WALL COVERINGS</b>	66
▶ <b>ADHESIVES IN WATER EMULSION</b> Adesilex MT32 Adesilex TDV Adesilex VS45 Rollcoll	68 68 69 69
▶ <b>ADHESIVES BASED ON RESINS IN ALCOHOL</b> Adesilex F57	70
▶ <b>CONTACT POLYCHLOROPRENE ADHESIVES</b> Ultrabond Aqua-Contact Adesilex LP Adesilex VZ	71 71 71

## Adhesives for skirtings and profiles



▶ <b>SELECTION TABLE OF MAPEI PRODUCTS FOR THE INSTALLATION OF SKIRTINGS AND PROFILES</b>	72
▶ <b>ECO ADHESIVES</b> Ultrabond Eco 575	74
▶ <b>ADHESIVES IN WATER EMULSION</b> Ultrabond Super Grip	74
▶ <b>ONE-COMPONENT POLYURETHANE ADHESIVES</b> Ultrabond P990 1K Ultrabond P997 1K T	75 75
▶ <b>CONTACT POLYCHLOROPRENE ADHESIVES</b> Ultrabond Aqua-Contact Adesilex VZ Adesilex LP	77 77 77

## Adhesives and primers for wooden and laminate flooring



▶ **SELECTION TABLE OF MAPEI PRODUCTS FOR THE PREPARATION OF SUBSTRATES FOR THE INSTALLATION OF WOODEN FLOORING** 78

▶ **ADDITIVES, PRIMERS, ADHESION PROMOTERS, AND CLEANERS**

<b>Primer G</b>	80
<b>Eco Prim T</b>	81
<b>Mapeprim SP</b>	81
<b>Primer KL</b>	82
<b>Primer M</b>	82
<b>Primer 3296</b>	82
<b>Livigum</b>	83
<b>Primer PA</b>	83
<b>Prosfas</b>	84
<b>Primer PU60</b>	85
<b>Thinner PU</b>	85
<b>Eco Prim PU 1K</b>	86
<b>Eco Prim PU 1K Turbo</b>	87
<b>Primer MF</b>	88
<b>Primer EP</b>	88
<b>Quartz 1.2</b>	88
<b>Triblock P</b>	89
<b>Eporip</b>	90
<b>Eporip Turbo</b>	90
<b>Pulicol</b>	91
<b>Cleaner L</b>	91
<b>Cleaner H</b>	91

▶ **SELECTION TABLE OF MAPEI PRODUCTS FOR THE INSTALLATION OF WOODEN FLOORING** 92

▶ **WATER VINYL ADHESIVES**

<b>Adesilex LC/R</b>	94
<b>Adesilex LC/RP</b>	94
<b>Adesilex LC</b>	95
<b>Adesivil D3</b>	95

▶ **ADHESIVES BASED ON RESINS IN ALCOHOL**

<b>Adesilex PA</b>	96
--------------------	----

▶ **SILICATED-BASED ADHESIVES**

<b>Ultrabond Eco S995 1K</b>	97
------------------------------	----

▶ **TWO-COMPONENT EPOXY-POLYURETHANE ADHESIVES**

<b>Lignobond</b>	98
<b>Ultrabond P902 2K</b>	98
<b>Ultrabond P913 2K</b>	99

▶ **ONE-COMPONENT POLYURETHANE ADHESIVES**

<b>Ultrabond P990 1K</b>	100
<b>Ultrabond Eco P992 1K</b>	101
<b>Ultrabond P997 1K T</b>	101
<b>Ultrabond P-R9</b>	101

## Paints, stuccos, base coats and coloured sealants for wooden flooring



▶ **COLOURED SEALANTS**

<b>Silwood</b>	102
----------------	-----

▶ **WATER-BASED AND SOLVENT-BASED STUCCOS**

<b>Ultracoat Acqua Plus</b>	103
<b>Ultracoat LS</b>	103

▶ **WATER-BASED BASE COATS**

<b>Ultracoat P920 2K</b>	104
--------------------------	-----

▶ **WATER-BASED AND SOLVENT-BASED VARNISHES**

<b>Ultracoat P915</b>	105
<b>Ultracoat P925</b>	105
<b>Ultracoat PF1</b>	105

## Maintenance tools and products



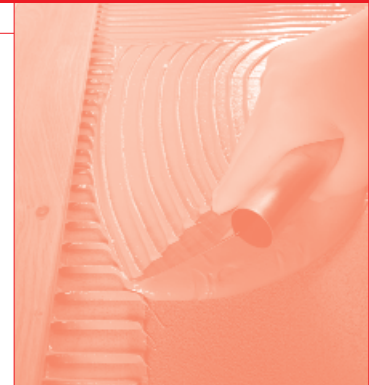
▶ <b>DETERGENTS</b>	
<b>Mapefloor Cleaner ED</b>	106
▶ <b>WAXES</b>	
<b>Mapelux Lucida</b>	107
<b>Mapelux Opaca</b>	107
▶ <b>ABRASIVE PRODUCTS</b>	
<b>Ultracoat SR</b>	108
<b>Ultracoat PAD</b>	109

## Tools



<b>Trowels for levelling compounds</b>	110
<b>Trowels for adhesives</b>	110
<b>Gun for soft-cartridges</b>	110
<b>Gun for sealants</b>	110
<b>Spiked roller</b>	111
<b>Carbide hygrometer</b>	111
<b>Electronic hygrometer</b>	111

## Selection tables of Mapei products







<b>For the preparation of screeds with special binders and pre-blended mortars</b>	6-7
<b>For the preparation of substrates</b>	14-15
<b>For the installation of textile flooring</b>	32-33
<b>For the installation of softflooring</b>	40-41
<b>For the installation of sports flooring</b>	54-55
<b>For the installation of conductive flooring</b>	60-61
<b>For the installation of wall coverings</b>	66-67
<b>For the installation of skirtings and profiles</b>	72-73
<b>For the preparation of substrates for the installation of wooden flooring</b>	78-79
<b>For the installation of wooden flooring</b>	92-93

## Alphabetical index of products

Adesilex F57	38/47/70	Mapefluid N200	10	Topcem Pronto	13
Adesilex G12	52	Mapefluid PZ500	10	Triblock P	21/89
Adesilex G19	50/56	Mapelay	21/57	Trowels for adhesives	110
Adesilex G19 Conductive	65	Mapelectric CP1	62	Trowels for levelling compounds	110
Adesilex G20	51/56	Mapelux Lucida	107	Ultrabond Aqua-Contact	48/71/77
Adesilex LC	95	Mapelux Opaca	107	Ultrabond Aqua-Contact Cork	48
Adesilex LC/R	94	Mapeprim SP	18/81	Ultrabond Eco 170	34
Adesilex LC/RP	94	Mapeprim 1K	18	Ultrabond Eco 185	34/45
Adesilex LP	39/49/71/77	Mapesilent Band	9	Ultrabond Eco 350	42
Adesilex MT32	68	Mapesilent Door	9	Ultrabond Eco 380	42
Adesilex PA	96	Mapesilent Panel	8	Ultrabond Eco 520	44
Adesilex TDV	68	Mapesilent Roll	8	Ultrabond Eco 540	44
Adesilex UP71	52/57	Mapesilent Tape	9	Ultrabond Eco 575	74
Adesilex V4	46	Nivorapid	26	Ultrabond Eco Fix	35
Adesilex VS45	69	Novoplan 21	25	Ultrabond Eco P992 1K	101
Adesilex VZ	39/49/71/77	Pianocem M	28	Ultrabond Eco S955 1K	97
Adesilex VZ Conductive	64	Pianodur R	24	Ultrabond Eco V4 Conductive	62
Adesivil D3	95	Planicrete	31	Ultrabond Eco V4 SP	43/57
Aquacol T	35/45	Planipatch	27	Ultrabond Eco VS90	43
Aquacol T Conductive	63	Planitex A	29	Ultrabond P902 2K	98
Carbide hygrometer	111	Plano 3	23	Ultrabond P913 2K	99
Cleaner H	91	Planolit	24	Ultrabond P990 1K	75/100
Cleaner L	91	Planopur	25	Ultrabond P997 1K T	75/101
Eco Prim PU 1K	20/86	Primer 3296	82	Ultrabond P-R9	101
Eco Prim PU 1K Turbo	20/87	Primer EP	19/88	Ultrabond Super Grip	74
Eco Prim T	18/81	Primer G	17/80	Ultrabond Turf EP 2K	59
Electronic hygrometer	111	Primer G Conductive	62	Ultrabond Turf PU 1K	58
Eporip	16/90	Primer KL	82	Ultrabond Turf PU 2K	58
Eporip Turbo	17/90	Primer M	82	Ultrabond Turf Tape 100	59
Fiberplan	24	Primer MF	20/88	Ultracoat Acqua Plus	103
Granirapid	53	Primer PA	83	Ultracoat LS	103
Gun for sealants	110	Primer PU60	85	Ultracoat P915	105
Gun for soft-cartridges	110	Profas	19/84	Ultracoat P920 2K	104
Latex Plus	30	Pulicol	16/91	Ultracoat P925	105
Lignobond	98	Quartz 1.2	21/88	Ultracoat PAD	109
Livigum	31/83	Rollcoll	36/46/69	Ultracoat PF1	105
Mapecem	12	Silwood	102	Ultracoat SR	108
Mapecem Pronto	12	Spiked roller	111	Ultraplan	22
Mapecryl Eco	35/43	Thinner PU	85	Ultraplan Eco	23
Mapefloor Cleaner ED	106	Topcem	13	Ultraplan Maxi	23

# Selection table of Mapei products for the preparation of screeds with special binders and pre-blended mortars

MAPEI BINDER OR PRE-BLENDED MORTAR				
				
	<i>Topcem</i>	<i>Topcem Pronto</i>	<i>Mapecem</i>	<i>Mapecem Pronto</i>
<b>PREPARATION OF THE MIXTURE</b>				
	To be mixed (1 bag) with 0-8 mm graded aggregate (140-160 kg) and water (10-12 kg)	To be mixed (1 bag) <u>only</u> with water (1.7 litres)	To be mixed (1 bag) with <b>Gravel 0-8 mm</b> or 0-8 mm graded aggregate (80-100 kg) and water (4-8 kg)	To be mixed (1 bag) <u>only</u> with water (2.1-2.3 litres)
<b>TYPE OF SCREED</b>				
<b>Bonded</b>				
Preparation of the substrate	Application of slurry bond coat: <b>Planicrete:</b> H <sub>2</sub> O: <b>Topcem</b> = 1 : 1 : 3 or with <b>Eporip</b>	Application of slurry bond coat: <b>Planicrete:</b> H <sub>2</sub> O: <b>Topcem Pronto</b> = 1 : 1 : 12 or with <b>Eporip</b>	Application of slurry bond coat: <b>Planicrete:</b> H <sub>2</sub> O: <b>Mapecem</b> 1 : 1 : 2 or with <b>Eporip</b>	Application of slurry bond coat: <b>Planicrete:</b> H <sub>2</sub> O: <b>Mapecem Pronto</b> 1 : 1 : 8 or with <b>Eporip</b>
Thickness of the screed	up to 3.5 cm	up to 3.5 cm	up to 3.5 cm	up to 3.5 cm
<b>Un-bonded</b>				
Preparation of the substrate	Laying of a polyethylene sheet overlapped at least 20 cm on joints, sealed with adhesive tape and rounded along the perimeter. Application along the perimeter and around columns (if any) of compressible material, such as foamed polyester, in thicknesses not lower than 5 mm.			
Thickness of the screed	From 3.5 to 8 cm (for thicknesses higher than 8 cm, pour a light-weight cementitious mixture over which the polyethylene sheet will be placed. Make the screed at least 3.5 cm thick).			
<b>Floating</b>				
Minimum thickness of the screed	At least 4 cm, reinforced with a mesh. The thickness of the screed varies depending on insulating layer compressibility. For more details refer to the MAPEI Technical Service and/or consult the "Installation of Screeds for Laying Floors" Technical Notebook.			
<b>Heating</b>				
Addition of additive to the mixture	no	no	no	no
Waiting time for the startup cycle	4 d	4 d	1 d	1 d
Startup cycle	Switch on the heating on minimum temperature. Increase the temperature 5°C every day until reaching the temperature when in service. Keep the temperature on the maximum for some days. Decrease the temperature 5°C every day until the screed reaches 15°-18°C.			
<b>PERFORMANCES</b>				
Waiting time before installing wood and resilients	4 d	4 d	1 d	1 d
Compressive strength after 28 days (N/mm <sup>2</sup> )	≥ 30	≥ 30	≥ 45	≥ 60

N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT



# TOPCEM PRONTO, MAPECEM PRONTO AND ALL LEVELLING COMPOUNDS ARE CE MARKED AND CERTIFIED ACCORDING TO THE EUROPEAN CLASSIFICATION FOR PRE-BLENDED MORTARS FOR SCREEDS EN 13813

The European Standard for pre-blended mortars for screeds (EN 13813), “Screed material and floor screeds - Screed material - Properties and requirements”, has now become effective. This norm allows to classify the pre-blended mortars on the basis of the nature of the binders employed and on their physical and elasto-mechanical characteristics. This norm has been extended to levelling compounds as well. In particular, the standard symbols illustrated here below have been adopted for TOPCEM PRONTO, MAPECEM PRONTO pre-blended mortars, and the levelling compounds of MAPEI range to indicate the following:



- screeds made using TOPCEM PRONTO, in accordance with the indications contained in the Technical Data Sheet, are class CT (cementitious binder-based), C30 (compressive strength after 28 days equal to at least 30 N/mm<sup>2</sup>), F6 (flexural strength after 28 days equal to at least 6 N/mm<sup>2</sup>), A1fl (reaction to fire class);



- screeds made using MAPECEM PRONTO, in accordance with the indications contained in the Technical Data Sheet, are class CT (cementitious binder-based), C60 (compressive strength after 28 days equal to at least 60 N/mm<sup>2</sup>), F10 (flexural strength after 28 days equal to at least 10 N/mm<sup>2</sup>), A1fl (reaction to fire class);



- levelling compounds made using ULTRAPLAN, in accordance with the indications contained in the Technical Data Sheet, are class CT (cementitious binder based), C30 (compressive strength after 28 days equal to at least 30 N/mm<sup>2</sup>), F7 (flexural strength after 28 days equal to at least 7 N/mm<sup>2</sup>), A2fl (reaction to fire class).

As with adhesives used for ceramic tiles, according to the European Directive 89/106 for products used in construction work, it is also obligatory to apply the CE mark on the packaging of pre-blended mortars for screeds and levelling compounds in order to favour free trade within the member states of the European Community.

The CE mark on the packaging is a guarantee for the user that the manufacturer has respected the following directives:

- the screed and the levelling compound, if made according to the indications contained in the Technical Data Sheet, possesses the mechanical characteristics and belongs to the reaction to fire class indicated by the CE mark;
- the manufacturer has issued a signed Declaration of Compliance (EC Declaration) certificate, with which they assume all responsibility regarding declaration of the CE mark;
- with reference to the “Directive 89/106”, the manufacturer is obliged to carry out the same controls as indicated for the CE mark regarding adhesives for ceramic tiles.

# Soundproofing systems for flooring

New

New

## Mapesilent Panel



**Soundproofing system for floating screeds. Each Mapesilent Panel is composed of a bitumen and special polymer-based elasto-plastomeric membrane with a polyester reinforcement layer, sandwiched together with a resilient layer of polyester fibre.**

### Where to use:

**Mapesilent Panel** is used to form an efficient soundproofing system on all types of floor slab according to DPCM 5.12.97. **Mapesilent Panel** is applied between the structure and the floating screed prior to laying all types of flooring materials.

### Technical data:

#### Tensile strength:

– longitudinal: 700 N/50 mm;  
– transvers: 500 N/50 mm.

**Resistance to impact:** 900 mm.

**Resistance to static perforation:** 15 kg.

**Impermeability to water:** > 100 kPa.

**Fire resistance:** F.

**Apparent dynamic rigidity (S't):** 11 MN/m<sup>3</sup>.

**Dynamic rigidity for calculation purposes (S''): 22 MN/m<sup>3</sup>.**

**Reduction of noise caused by footsteps (ΔL'\_{nw}): 27.7 dB.**

**Thermal resistance (R): 0.13 m<sup>2</sup> K/W.**

**Thickness:** 13 mm.

**Format:** 1000 mm x 1000 mm tiles.

**Weight:** 5 kg/m<sup>2</sup>.

### Packaging

pallets containing 75 m<sup>2</sup>.

## Mapesilent Roll



**Soundproofing system for floating screeds consisting of a bitumen and special polymer-based elasto-plastomeric membrane with a polyester reinforcement layer, sandwiched together with a resilient layer of polyester fibre and a surface dressed with a layer of blue non-woven polypropylene fabric.**

### Technical data:

#### Tensile strength:

– longitudinal: 700 N/50 mm;  
– transvers: 500 N/50 mm.

**Impact resistance:** 900 mm.

**Resistance to static perforation:** 15 kg.

**Impermeability to water:** > 100 kPa.

**Fire resistance:** F.

**Apparent dynamic rigidity (S't):** 15 MN/m<sup>3</sup>.

**Dynamic rigidity for calculation purposes (S''): 47 MN/m<sup>3</sup>.**

**Reduction of noise caused by footsteps (ΔL'\_{nw}): 22.8 dB.**

**Thermal resistance (R): 0.145 m<sup>2</sup> K/W.**

**Thickness:** 8 mm.

**Format:** 1 x 10 m rolls.

**Weight:** 1.8 kg/m<sup>2</sup>.

### Packaging

10 m x 1 m-wide rolls.





**Mapesilent Band**



**L-shaped adhesive, closed-cell, expanded polyethylene membrane applied to perimeter walls around the edges of interruptions which pass through screeds to prevent the formation of acoustic bridges.**

**Where to use:**  
**Mapesilent Band** is applied to all the walls around the perimeter of the screed, to form a soundproofing system with **Mapesilent Roll** or **Mapesilent Panel**, and around all the edges of interruptions which pass through the screed to avoid the formation of acoustic bridges.

**Technical data:**  
**Thickness:** 6 mm.  
**Width of base:** 50 mm.  
**Height:** 100 mm.  
**Length:** 2 m.

**Packaging**  
 cardboard boxes containing 110 or 200 pieces 100 mm high and 200 cm wide.



**Mapesilent Door**



**U-shaped adhesive, closed-cell, expanded polyethylene membrane applied in correspondence with openings in perimeter walls to avoid the formation of acoustic bridges.**

**Where to use:**  
**Mapesilent Door** is applied to all the openings in perimeter walls around the screed, to form a soundproofing system with **Mapesilent Roll** or **Mapesilent Panel**.

**Technical data:**  
**Thickness:** 6 mm.  
**Width of base:** 50 mm.  
**Pitch:** 105-110 mm.  
**Height:** 100 mm.  
**Length:** 2 m.

**Packaging**  
 cardboard boxes containing 30 50x100 mm pieces.



**Mapesilent Tape**



**Adhesive butyl rubber sealant tape with a silver-coloured surface.**

**Where to use:**  
**Mapesilent Tape** is used for sealing the overlapping of different pieces of **Mapesilent Band**, covering and joining the overlapping between **Mapesilent Band** and **Mapesilent Roll** and sealing the joints between **Mapesilent Panel** tiles and **Mapesilent Roll** sheets.

**Technical data:**  
**Thickness:** 0.6 mm.  
**Width:** 75 mm.  
**Length:** 10 metres.

**Packaging**  
 10 m rolls.

# Preparation of screeds



## Mapefluid N200



### Superplasticiser for concrete.

#### Where to use:

Mapefluid N200 can be used for manufacturing no-slump concrete for screeds by just reducing the w/c ratio therefore reducing the drying time.

Mapefluid N200 is a brown-coloured liquid admixture with a base of polymers in water solution that disperse cement grains. Add Mapefluid N200 directly to the mixture after all the other ingredients (cement, aggregates, water).

Mapefluid N200 can also be diluted into the mixing water beforehand but its superplasticizing action is less effective.

#### Dosage

0.5 to 1.5 l per 100 kg of cement (0.4-1.3 l).

#### Packaging

200 l, 25 and 10 kg drums - 1000 l tanks.  
Also available in bulk on request.



## Mapefluid PZ500



### Superplasticiser with pozzolanic effect for high quality and chemical resistant mortar and concrete.

#### Where to use:

Mapefluid PZ500 can be used for manufacturing no-slump concrete for screeds by just reducing the w/c ratio therefore reducing the drying time.

Mapefluid PZ500 improves all properties of the concrete. In particular, it provides higher mechanical strength, better waterproofing and durability.

Mapefluid PZ500 must be added to the dry components of the mix (cement and aggregate) before the batching water. The Mapefluid PZ500 mix is placed and worked like normal concrete.

#### Dosage

20-60 kg per m<sup>3</sup> of mixture.

#### Packaging

11 kg bags.  
Big bags are available on request.







## Mapecem



**Special hydraulic binder for the preparation of rapid setting and drying (24 hours) screeds with controlled shrinkage.**

**Where to use:**

Formation of floating and bonded screeds on both existing and new slabs for the installation of floors that are moisture sensitive (wood, PVC, linoleum, carpeting, rubber) or any other type of flooring where rapid drying and immediate laying is required.

**Mapecem** must always be mixed with aggregates. Bonded screeds (less than 3.5 cm thick) and patching require the application of a **Mapecem** and **Planicrete** anchoring slurry. For floating screeds (at least 3.5 cm thick) lay a polyethylene sheet beforehand; for thicknesses of 4-5 cm the aggregates must be graded from 0 to 8 mm in diameter.

**Technical data:**

**Recommended mixture ratio:** 350 to 450 kg of **Mapecem** with 1 m<sup>3</sup> of aggregate or **Gravel 0/8 mm** and with 80-160 kg of water depending on the aggregate moisture.

**Open time of the mixture at +23°C:** 20-30 minutes.

**Application temperature range:** from +5°C to +35°C.

**Set to light foot traffic:** after 2-3 hours.

**Waiting time before installation:** 24 hours for resilients and wood.

**Residual moisture after 24 h.:** less than 2%.

**Storage:** 12 months.

**Consumption**

3.5-4.5 kg/m<sup>2</sup> per cm of thickness.

**Packaging**

20 kg bags.



## Mapecem Pronto



**Ready-to-use pre-blended mortar for fast-setting and drying (24 hours) screeds with controlled shrinkage.**

**Where to use:**

Formation of both floating and bonded screeds on existing and new slabs for the installation of wood, PVC, linoleum, carpeting, rubber or any other type of flooring where fast drying or immediate laying is required.

**Mapecem Pronto** is ready-to-use and must be mixed just with water.

**Mapecem Pronto** is the ideal solution where good quality graded aggregate is hard to find or for job sites such as those in city centres where the logistics involved in mixing conventional binders can be difficult. Bonded screeds and patching (thicknesses less than 3.5 cm) require the application of a **Mapecem Pronto** and **Planicrete** anchoring slurry. Floating screeds (thicknesses above 3.5 cm) must be laid over a polyethylene sheet.

**Technical data:**

**Mixing ratio:** one 25 kg bag of **Mapecem Pronto** with 2.1-2.3 litres of water.

**Open time of the mixture:** 20-30 minutes.

**Application temperature range:** from +5°C to +35°C.

**Set to light foot traffic:** after 2-3 hours.

**Waiting time before installation:** 24 hours for resilients and wood.

**Residual moisture after 24 h.:** less than 2%.

**Storage:** 12 months.

**Consumption**

20-25 kg/m<sup>2</sup> per cm of thickness.

**Packaging**

25 kg bags.





## Topcem



**Special hydraulic binder for the preparation of normal setting and fast drying (4 days) screeds with controlled shrinkage.**

### Where to use:

Formation of both floating and bonded screeds on existing and new slabs for the installation of wood, PVC, linoleum, rubber, carpeting or any other flooring where fast drying and laying is required. Bonded screeds (less than 3.5 cm thick) and patching require the application of a **Topcem** and **Planicrete** anchoring slurry. For floating screeds (at least 3.5 cm thick) lay a polyethylene sheet beforehand; for thicknesses of 4-5 cm the aggregates must be graded from 0 to 8 mm in diameter.

### Technical data:

**Recommended mixture ratio:** 200 to 250 kg of **Topcem** with 1 m<sup>3</sup> of aggregate (diameter from 0 to 8 mm) and with 120-140 kg of water for dry aggregate.

### Open time of the mixture:

40 to 60 minutes.

**Application temperature range:** from +5°C to +35°C.

**Set to light foot traffic:** after 12 hours.

**Waiting time before installation:** 4 days for resilients and wood.

**Residual moisture after 4 days:** less than 2%.

**Storage:** 12 months.

### Consumption

2-2.5 kg/m<sup>2</sup> per cm of thickness.

### Packaging

20 kg bags.



## Topcem Pronto



**Ready-to-use pre-blenched mortar for fast-drying (4 days) normal setting screeds with controlled shrinkage with very low emission of volatile organic compounds (VOC).**

### Where to use:

Formation of both floating and bonded screeds on existing and new slabs for the installation of floors that are moisture sensitive (wood, PVC, linoleum, carpeting, rubber etc.) or any other type of flooring where fast drying and laying is required. **Topcem Pronto** is ready-to-use and must be mixed just with water.

**Topcem Pronto** is the ideal solution where good quality graded aggregate is hard to find or for job sites such as those in city centres where the logistics involved in mixing conventional binders can be difficult. Bonded screeds and patching (thicknesses less than 3.5 cm) require the application of a **Topcem Pronto** and **Planicrete** anchoring slurry. Floating screeds (thicknesses above 3.5 cm) must be laid over a polyethylene sheet.

### Technical data:

**Mixing ratio:** one 25 kg bag of **Topcem Pronto** with 1.7 l of water.

**Open time of the mixture:** 40-60'.

**Application temperature range:** from +5°C to +35°C.

**Set to light foot traffic:** after 12 hours.

**Waiting time before installation:** 4 days for resilients and wood.

**Residual moisture after 4 days:** less than 2%.

**EMICODE:** EC1 R - very low emission.

**Storage:** 12 months.

### Consumption



18-20 kg/m<sup>2</sup> per cm of thickness in relation to the degree of compaction.

### Packaging

25 kg bags.



# Selection tables of Mapei products for the preparation of substrates

Substrates	Repair cracks with Eporip or Eporip Turbo	PRIMERS, INSULATING MATERIALS, CONSOLIDATING MATERIALS AND MOISTURE BARRIERS							
		 Primer G	Primer G Conductive	 Eco Prim T	Mapeprim 1K	Mapeprim SP	Profas	Primer EP	Primer MF
<b>FLOORS</b>									
<b>New</b>									
Cementitious screeds	•	•	•	•	•	•	•	•	•
Mapecem, Mapecem Pronto, Topcem, Topcem Pronto* screeds	•	•	•				•	•	•
Concrete structures	•	•	•	•	•	•	•	•	•
Anhydrite screeds	•	•	•	•	•	•		•	•
Heating screeds	•	•	•	•	•	•	•		•
Asphalt screeds		•	•	•	•	•			
Chipboard or marine plywood		•	•	•	•	•			
Metal surfaces					•	•			
<b>Existing</b>									
Cementitious screeds and concrete floors	•	•	•	•	•	•	•	•	•
Terrazzo tiles, palladiana tiles		•	•	•	•	•		•	•
Ceramic tiles, porcelain tiles		•	•	•	•	•			
Natural stone		•	•	•	•	•			
Magnesite surfaces					•	•		•	•
Wood		•	•	•	•	•			
<b>WALLS</b>									
Concrete		•		•	•	•		•	•
Cementitious renders		•		•	•	•		•	•
Light-weight concrete blocks		•		•	•	•		•	•
Gypsum		•		•	•	•		•	•
Gypsum board		•		•	•	•		•	•
Chipboard		•		•	•	•			
Ceramic		•			•	•			
Painted walls					•	•			
<b>STEPS</b>		•		•	•	•			

**KEY**



This symbol is used to identify MAPEI products which give off a low level of volatile organic compounds (VOC) as certified by GEV (Gemeinschaft Emissionskontrollierte Verlegewerkstoffe, Klebstoffe und Bauprodukte e.V.), an international organisation for controlling the level of emissions from products used for floors.



\* Mapecem, Mapecem Pronto, Topcem and Topcem Pronto screeds do not need a consolidating treatment as long as they have been made according to the method suggested on each technical data sheet.

N.B. - THIS TABLE IS MERELY INDICATIVE; FOR FURTHER INFORMATION, REFER TO THE TECHNICAL DATA SHEET FOR EACH PRODUCT



# SELECTION TABLE OF MAPEI PRODUCTS FOR THE PREPARATION OF SUBSTRATES

SLIDING SURFACES	LEVELLING COMPOUNDS																	
	Self-levelling									Thixotropic								
	<b>Eco Prim PU 1K / Eco Prim PU 1K Turbo</b>	<b>Triblock P</b>	<b>Ultraplan 1-10 mm</b>	<b>Ultraplan 1-10 mm Eco</b>	<b>Ultraplan 3-30 mm Maxi</b>	<b>Plano 3 3-10 mm</b>	<b>Fiberplan 3-10 mm</b>	<b>Pianodur R 0-3 mm</b>	<b>Planolit 1-5 mm/ Novoplan 21 1-5 mm</b>	<b>Planopor</b>	<b>Nivorapid 1-20 mm</b>	<b>Planipatch 0-10 mm</b>	<b>Pianozem M 1-5 mm *</b>	<b>Plastimul 3</b>	<b>Silistucco</b>	<b>Planitex A</b>	<b>Planipatch + Latex Plus</b>	<b>Nivorapid + Latex Plus</b>
	●	●	■	■	■	■	■	■	■		●	●	●	●		●		
	●	●	■	■	■	■	■	■	■		●	●	●	●				
	●	●	■	■	■	■	■	■	■		●	●	●	●		●		
	●	●	▲	▲	▲	▲	▲	▲	▲		▲	▲	▲	▲				
	●	●	■	■	■		■	■			●	●	●	●				
							●		●	●	●	●					●	
									●	●	●	●					●	
										●*	●*	●*						
										●	●	●						
	●	●	■	■	■	■	■	■	■		●	●	●	●				
	●	●	●	●	●	●	●	●	●		●	●	●					
	●	●	●	●	●	●	●	●	●		●	●	●					
	●	●	●	●	●	●	●	●	●		●	●	●	●				
	●		▲	▲	▲	▲	▲	▲	▲		●	●		●				
										●	●*	●*					●	
										●	●	●	●	●				
										●	●	●	●	●		■		
										▲	▲	▲	▲	▲		●		
																●		
										●*	●*			●	●	●		
										●	●	●		●	●			
										●	●	●		●	●	●		
												●			●	●		
										●	●	●		●		●		
																●		
										●	●	●						
										●	●	●						
										●	●	●						
										●	●	●						

- MAPEI recommended
- \* MAPEI recommended. Admixing with **Livigum** or **Planicrete** is recommended
- MAPEI recommended. A coat of **Primer G** mixed 1 : 1 with water is recommended
- \* Must be mixed with **Latex Plus**
- ▲ Recommended only when a coat of **Primer G**, **Mapeprim SP** or **Mapeprim 1K** is applied beforehand

# Cleaning materials, primers, insulating materials, consolidating compounds and moisture barriers



## Pulicol



**Solvent gel to remove adhesives and paint.**

**Where to use:**

- Removal of old natural and synthetic resin based adhesives and paint.
- Cleaning old adhesives from marble and ceramic flooring, levelling compounds, ceramic tiles, mosaic, gypsum, metal, fibre-cement coverings.

After treatment with **Pulicol** wash the surface with water and soda then rinse.

**Technical data:**

**Consistency:** gel.

**Colour:** transparent.

**Flammability:** yes.

**Application temperature range:** from +10°C to +35°C.

**Waiting time before removal:**

- adhesives in water dispersion or in solution: 5 minutes;
- reactive adhesives: 60 minutes.

**Storage:** 24 months.

**Application:** by brush.

**Consumption**

0.3 kg/m<sup>2</sup>.

**Packaging**

3 and 1 kg drums.



## Eporip



**Two-component epoxy adhesive for cold joints and sealing of cracks in screeds. Solvent-free.**

**Where to use:**

- Creation of cold joints between fresh and old concrete.
- Stiff sealing of damages or cracks in screeds, cement floors, etc.

When it is necessary to recreate the monolithic property of the structure, apply **Eporip** on clean and dry surfaces. The substrate must be clean, dry, free from oil, grease, traces of paint and other loose material.

**Technical data:**

**Consistency:** Part A: fluid paste; Part B fluid paste.

**Colour:** Part A: black; Part B: white.

**Mixing ratio:** Part A : Part B = 3 : 1.

**Flammability:** no.

**Application temperature range:**

from +5°C to +30°C.

**Setting time:** 24 hours.

**Workability:** 60 minutes.

**Open time:** 5 hours.

**Storage:** 12 months.

**Application:** by brush, trowel or by pouring.

**Consumption**

0.5-2 kg/m<sup>2</sup>.

**Packaging**

10 and 2 kg kit.



## Eporip Turbo



**Very fast hardening two-component polyester resin.**

**Where to use:**

- Sealing cracks in screeds.
- By adding dry sand, **Eporip Turbo** can be used to manufacture mortars for small reparations.

**Eporip Turbo** hardens in approximately 20 minutes.

**Technical data:**

**Consistency:** Part A: fluid paste; Part B: fluid paste.

**Colour:** Part A: grey; Part B: white.

**Mixing ratio:** Part A : Part B = 500 : 8.

**Flammability:** yes.

**Application temperature range:** from +5°C to +30°C.

**Setting time:** 20-30 minutes.

**Workability:** 7 minutes.

**Storage:** 12 months.

**Application:** by trowel or by pouring.

**Consumption**

1.7 kg per litre of cavity to be filled.

**Packaging**

508 g metal cans  
(Part A: 500 g; Part B: 8 g).



## Primer G



**Synthetic resin based primer in water dispersion with very low emission of volatile organic compounds (VOC).**

**Where to use:**

Treating gypsum or anhydrite surfaces prior to applying cementitious products. Treating cementitious surfaces (cast or precast concrete walls etc.) prior to laying gypsum based plasters. The surfaces to be treated must be clean and porous.

**Primer G** should be diluted with water from 1:1 to 1:3 to protect old porous floors before levelling, to fix the residual dust and to uniform the substrates absorption prior to levelling or bonding.

Apply on perfectly dry gypsum or anhydrite surfaces (residual moisture less than 0.5%). The substrate must be dry and clean, free from oil, grease, traces of paint and any loose particles.

**Technical data:**

**Consistency:** liquid.

**Colour:** light blue.

**Flammability:** no.

**Application temperature range:**

from +5°C to +40°C.

**Drying time:** 2 hours, varies according to the dilution and absorbency of the substrate.

**EMICODE:** EC 1 - very low emission.

**Storage:** 24 months. Protect from frost.

**Application:** by roller and brush.

**Consumption**

0.1-0.2 kg/m<sup>2</sup> depending on the use.

**Packaging**

25 - 10 - 5 - 1 kg plastic drums.



## Eco Prim T



**Solvent-free acrylic primer with very low emission of volatile organic compounds (VOC) for porous and non porous surfaces.**

### Where to use:

All-purpose primer for improving adhesion of levelling compounds on all porous and non-porous surfaces: cement, gypsum, anhydrite, asphalt, wood, terrazzo. Particularly indicated as bonding promoter for smoothing compounds on residues of old adhesives for resilient and textile floorings.

### Technical data:

**Consistency:** liquid.

**Colour:** white.

**Flammability:** no.

**Application temperature range:** from +5°C to +40°C.

**EMICODE:** EC 1 - very low emission.

**Storage:** 24 months. Protect from frost.

**Application:** by roller and brush.

### Consumption

0.10-0.20 kg/m<sup>2</sup>.

### Packaging

20 and 5 kg drums.



## Mapeprim 1K



**Solvent-free one-component primer.**

### Where to use:

- To prepare flat, compact and non porous substrates such as ceramic tile and stone material floor and wall coverings before the application of MAPEI smoothing and levelling compounds,
- Treatment of poured asphalt, wood, chip-board, PVC and linoleum surfaces.
- Protection from moisture for wooden surfaces.

Wait until **Mapeprim 1K** becomes transparent and then apply the smoothing compound. If installation will be carried out after 24 hours of the application of the primer, spread fine sand over the still fresh **Mapeprim 1K** layer. Use **Mapeprim 1K** only over dry surfaces and not subject to rising damp.

### Technical data:

**Consistency:** creamy liquid.

**Colour:** white light blue.

**Flammability:** no.

**Application temperature range:** from +5°C to +35°C.

**Waiting time before application of smoothing compound:** 1-3 hours.

**Maximum time for application of smoothing compound:** 24 hours.

**Storage:** 24 months.

**Application:** by brush, roller or flat trowel.

### Consumption

0.10-0.15 kg/m<sup>2</sup>.

### Packaging

5 kg drums.



## Mapeprim SP



**Solvent-free two-component primer.**

### Where to use:

Improves the bonding of smoothing and levelling compounds on gypsum and anhydrite, on very flat and compact surfaces such as ceramic tiles and natural stone.

Wait until **Mapeprim SP** becomes transparent before applying levelling compounds.

Use **Mapeprim SP** only on dry surfaces that are not subject to rising damp. The substrate must be dry and clean, free from oil, grease, traces of paint and any other loose particles.

### Technical data:

**Consistency:** Part A: liquid; Part B: liquid.

**Colour:** Part A: light blue; Part B: white.

**Flammability:** no.

**Application temperature range:** from +5°C to +40°C.

**Pot life:** approx. 1 hour.

**Mixing ratio:** Part A : Part B = 1 : 1.

**Waiting time before application of smoothing compound:** between 1 and 3 hours depending on the ambient conditions.

**Maximum time for application of smoothing compound:** 24 hours.

**Storage:** 24 months.

**Application:** by brush, roller or flat trowel.

### Consumption

0.10-0.20 kg/m<sup>2</sup>.

### Packaging

4 and 2 kg drums.



## Profas



**Solvent-free silicate based consolidating compound for cementitious substrates.**

**Where to use:**

Consolidation of cementitious substrates with poor consistency even in depth, hardening cementitious screeds that tend to crumble on the surface. To prevent the formation of an anti-adhesive film, sprinkle dry sand on the surface of the final coat to facilitate bonding of the next treatment. The substrate must be dry and clean, free of oil, grease, paint and any loose particles.

**Technical data:**

**Drying time:** varies according to the absorbency of the substrate.

**Consistency:** liquid.

**Colour:** transparent.

**Flammability:** no.

**Application temperature range:** from +5°C to +35°C.

**Storage:** 24 months. Protect from frost.

**Application:** by roller, brush or watering can.

**Consumption**

0.5-0.7 kg/m<sup>2</sup>.

**Packaging**

25 kg drums.



## Primer EP



**Two-component waterproofing and consolidating primer, in solvent solution, for screeds and industrial flooring.**

**Where to use:**

- Primer for the consolidation of surfaces of dusty or crumbly cementitious screeds, for anhydrite screeds, radiant heated screeds, old terrazzo tiles, gypsum and gypsum board.
- Waterproofing damp screeds to isolate residual moisture.
- Anti-dust impregnating primer over industrial flooring, garages, raised flooring.

If a levelling compound is used after the application of **Primer EP**, spread dry sand over the just treated surface to create a suitable mechanical key.

The substrate must be dry and clean, free of oil, grease, traces of paint and any loose particles.

**Technical data:**

**Minimum drying time:** 24 hours depending on the porosity of the substrate.

**Consistency:** liquid.

**Colour:** transparent.

**Flammability:** yes.

**Application temperature range:** from +10°C to +40°C.

**Pot life of the mixture:** 4-5 hours.

**Mixing ratio:** Part A : Part B = 1 : 1.

**Storage:** 24 months.

**Application:** by roller, brush or watering can.

**Consumption**

0.5-0.7 kg/m<sup>2</sup>.

**Packaging**

5+5 kg drums.



## Primer MF



**Solvent-free two-component epoxy primer to be used as an adhesion promoter for products of the Mapefloor range and to consolidate and waterproof cementitious substrates.**

### Where to use:

- Consolidating primer for poor strength cementitious, radiant heated and anhydrite screeds.
- Consolidating primer with an anti-dust effect for concrete industrial flooring such as garages, warehouses, industries, etc. and of cementitious surfaces before the installation of raised flooring.
- Waterproofing to avoid excess residual rising water in screeds and concrete flooring.

If levelling compounds or adhesives will be used after the application of **Primer MF**, spread **Quartz 1.2** or clean dry sand over the just treated surface in order to improve the adhesion of the products to be applied.

### Technical data:

**Consistency:** liquid.  
**Colour:** transparent yellow.  
**Flammability:** no.  
**Application temperature range:** from +10°C to +35°C.  
**Waiting time before the installation of floors or application of smoothing compounds:** 24-48 hours depending on the temperature.  
**Pot life:** 90 minutes.  
**Mixing ratio:** Part A : Part B = 3 : 1.  
**Storage:** 24 months.  
**Application:** by roller or brush.

### Consumption

0.2-0.3 kg/m<sup>2</sup>, this varies according to the substrate absorption.

### Packaging

1 kg (A+B) and  
 6 kg (A+B) units.



## Eco Prim PU 1K



**One-component, solvent-free, moisture curing polyurethane primer with very low emission of volatile organic compounds (VOC), for consolidating and waterproofing cementitious screeds.**

### Where to use:

Waterproofing cementitious screeds with a residual moisture content higher than the maximum level recommended for laying resilient floors.  
 Consolidating unstable and/or mechanically weak substrates.  
 Anti-dust treatment for cementitious and anhydrite screeds with a disjointed surface.  
 If smoothing compound or adhesive is to be spread on the surface after applying **Eco Prim PU 1K, Quartz 1.2** or clean, dry sand must be sprinkled on the surface immediately after treatment to improve the bond of successive applications.

### Technical data:

**Consistency:** liquid.  
**Colour:** brown.  
**Flammability:** no.  
**Application temperature range:** from +5°C to +35°C.  
**Set to light foot traffic:** approx. 9-10 hours.  
**Waiting time before the installation of floors or application of smoothing compounds:** 12-36 hours.  
**EMICODE:** EC1 R - very low emission.  
**Storage:** 12 months.  
**Application:** by brush or roller.

### Consumption

0.2-0.4 kg/m<sup>2</sup> per coat.

### Packaging

10 kg drums.



## Eco Prim PU 1K Turbo



**One-component, solvent-free, damp-hardening, rapid-drying polyurethane primer with very low emission of volatile organic compounds (VOC) for consolidating and waterproofing cementitious screeds.**

### Where to use:

Consolidating and dust-repelling treatments on cementitious, anhydrite and heated substrates with a crumbly surface.  
 Waterproofing cementitious screeds with a residual humidity content higher than the maximum level recommended for laying wooden floors.  
 If smoothing compound or adhesive is to be spread on the surface after applying **Eco Prim PU 1K, Quazar 1.2** or clean, dry sand must be sprinkled on the surface immediately after treatment to improve the bond of successive layers.  
 Instead of sprinkling on quartz, bonding of the smoothing compound may be improved by applying a coat of **Eco Prim T** on the surface of **Eco Prim PU 1K** when it is dry and ready to be stepped on (after approximately 2 hours).  
 Parquet may also be laid without sprinkling on the quartz, as long as the reactive adhesive (**Ultrabond P990 1K, Ultrabond Eco P992 1K, Ultrabond Eco S955 1K, Ultrabond P902 2K, Ultrabond P913 2K** or **Lignobond**) is applied on the final layer of primer within 3 days.

### Technical data:

**Consistency:** liquid.  
**Colour:** brown.  
**Inflammable:** no.  
**Recommended application temperature range:** from +5°C to +35°C.  
**Set to light foot traffic:** after 30-40 minutes.  
**Waiting time before laying parquet using reactive adhesives:** minimum 2 hours, max. 3 days.  
**Waiting time before laying parquet or smoothing layer on surfaces sprinkled with quartz:** 2 hours.  
**EMICODE:** EC1 R - very low emission.  
**Storage:** 12 months.  
**Application:** by roller or brush.

### Consumption:

0.1-0.45 kg/m<sup>2</sup>.

### Packaging

10 kg drums.



### Triblock P



**Three-component, epoxy-cementitious primer for waterproofing damp substrates, including non-absorbent ones.**

**Where to use:**

**Triblock P** is used as a waterproofing system for damp substrates, especially:

- old ceramic or terrazzo floors on substrates with excessive residual moisture;
- cementitious substrates with a moisture content higher than the recommended level for laying wooden or resilient floors.

**Triblock P** is a three-component epoxy-cementitious system which is diluted with water. It has the capacity of reticulating on even very smooth, damp surfaces and of forming a compact, waterproof layer which is suitable for laying parquet, PVC, linoleum, rubber and cementitious smoothing compounds.

The surface must be dry, clean and free of grease, oil, traces of old paintwork and any other coating which may be removed.

**Technical data:**

**Consistency:** component A liquid; component B liquid; component C powder.

**Colour:** component A white; component B white; component C white.

**Inflammable:** no.

**Recommended application temperature range:** from +5°C to +35°C.

**Waiting time between the first and second coat:** 4-6 hours.

**Waiting time before laying floors or smoothing compounds:** 18 hours.

**Pot life:** 30-40 minutes.

**Mixing ratio:**

comp. A : comp. B : comp. C = 12 : 38 : 50.

**Storage:** 24 months.

**Application:** by brush or roller.

**Consumption**

0.5 kg/m<sup>2</sup>.

**Packaging**

15 kg drums (A+B+C).



### Quartz 1.2



**Washed and dried siliceous sand with controlled grading to be used to ensure bonding over resins or epoxy primers.**

**Where to use:**

Can be used in all cases where rough surfaces are absolutely necessary to help the adhesion of smoothing compounds and adhesives over resins or epoxy primers.

**Technical data:**

**Colour:** grey - beige.

**Grading:** 0.7-1.2.

**Packaging**

25 kg bags.

### Mapelay



**Waterproof and anti-fracture PVC glass fibre reinforced sheet for interior installation of resilient and textile flooring over substrates that are cracked, dirty, moist and subject to rising damp.**

**Where to use:**

- Installation of resilient or textile flooring over still damp screeds or subject to continuous rising damp.
- Installation of rubber flooring in old industrial buildings where the screeds are soaked with oil and existing residuals of dirt that are very difficult to remove.
- Installation of resilient or textile flooring on cracked screeds where the cracks cannot be repaired because subject to possible movement.
- To temporarily protect all types of new flooring during on-site work.
- Temporary installation of rubber or PVC flooring for sports in places where it is necessary to bring the floor to the previous conditions after the sports event.
- Installation of resilient or textile flooring for a certain time in order to avoid damaging the underneath marble, wood, rubber, etc. flooring.

**Technical data:**

**Length:** 25 m.

**Width:** 2 m.

**Thickness:** 1.2 mm.

**Weight:** 1.1 kg/m<sup>2</sup>.

**Packaging**

25 m rolls.

Weight of roll 57 kg.

# Self-levelling smoothing compounds

## Ultraplan



**Ultra-fast hardening (12 hours) self-levelling smoothing compound for thicknesses from 1 to 10 mm with very low emission of volatile organic compounds (VOC).**

### Where to use:

- Interior levelling of new or existing substrates, as long as they are not subject to rising damp, to make them ready to receive all types of flooring where a high resistance to traffic and loads is required.
- Levelling existing flooring as long as they are solid, dry and clean.

**Ultraplan** is applied up to 10 mm thick per coat. The minimum thickness of **Ultraplan** must be 3 mm when a wooden floor is going to be installed.

### Technical data:

**Consistency:** fine powder.

**Colour:** pinkish-grey.

**Pot life:** 20-30 minutes.

**Setting time:** 45-60 minutes.

**Set to light foot traffic:** 3 hours.  
**Waiting time before installation:** 12 hours.

**Application temperature range:** from +5°C to +30°C.

**Mixing ratio:** 25-26 parts water for 100 parts by weight of **Ultraplan**.

**EMICODE:** EC1 - very low emission.

**Storage:** 12 months.

**Application:** with a flat trowel and a pump.

### Consumption

1.6 kg/m<sup>2</sup> per mm of thickness.

### Packaging

23 kg bags.



MAGNA STEYR GROUP PLANT - Graz - Vienna  
Substrate preparation with: NIVORAPID, ULTRAPLAN,  
PRIMER G. Installation of linoleum with AQUACOL T



## Ultraplan Eco



**Ultra-fast hardening (12 hours) self-levelling smoothing compound for thicknesses from 1 to 10 mm, with very low emission of volatile organic compounds (VOC).**

### Where to use:

- Interior levelling of new or existing substrates, as long as they are not subject to rising damp, to make them ready to receive all types of flooring where a high resistance to traffic and loads is required.
- Levelling existing flooring as long as they are solid, dry and clean.

**Ultraplan Eco** is applied with a trowel or with a pump up to 10 mm thick per coat. The minimum thickness of **Ultraplan Eco** must be 3 mm when a wooden floor is going to be installed.

### Technical data:

**Consistency:** fine powder.

**Colour:** pinkish-grey.

**Pot life:** 20-30 minutes.

**Setting time:** 45-60 minutes.

**Set to light foot traffic:** 3 hours.

**Waiting time before installation:** 12 hours.

**Application temperature range:** from +5°C to +30°C.

**Mixing ratio:** 24-25 parts water for 100 parts by weight of **Ultraplan Eco**.

**EMICODE:** EC 1 - very low emission.

**Storage:** 12 months.

**Application:** with a flat trowel and a pump.

### Consumption

1.6 kg/m<sup>2</sup> per mm of thickness.

### Packaging

23 kg bags.



## Ultraplan Maxi



**Ultra-fast hardening self-levelling smoothing compound for thicknesses from 3 to 30 mm, with very low emission of volatile organic compounds (VOC).**

### Where to use:

- Interior levelling of new or existing substrates, as long as they are not subject to rising damp, to make them ready to receive all types of flooring where high mechanical strength is required.
- Levelling existing flooring as long as they are solid, dry and clean.

**Ultraplan Maxi** is applied from 3 to 30 mm per coat.

### Technical data:

**Consistency:** fine powder.

**Colour:** grey.

**Pot life:** 30-40 minutes.

**Setting time:** 60-90 minutes.

**Set to light foot traffic:** approx. 3 hours.

**Waiting time before laying:** 24-72 hours according to thickness and temperature.

**Application temperature range:** from +5°C to +30°C.

**Mixing ratio:** 18-19 parts water for 100 parts by weight of **Ultraplan Maxi**.

**EMICODE:** EC 1 - very low emission.

**Storage:** 12 months.

**Application:** with a flat trowel and a pump.

### Consumption

1.7 kg/m<sup>2</sup> per mm of thickness.

### Packaging

25 kg bags.



## Plano 3



**Fast hardening (24-48 hours) self-levelling smoothing compound for thicknesses from 3 to 10 mm, especially suitable for pump applications.**

### Where to use:

- Interior levelling of new or existing substrates, as long as they are not subject to rising damp, to make them ready to receive all types of flooring where good resistance to traffic and loads is required.
- Levelling existing flooring as long as they are solid, dry and clean.

Especially suitable for the preparation of substrates for raised flooring, since it is also easily applied by pump. It is applied from 3 to 10 mm thick.

### Technical data:

**Consistency:** fine powder.

**Colour:** pinkish-grey.

**Pot life:** approximately 20 min.

**Setting time:** approximately 60-100 min.

**Set to light foot traffic:** 4-6 hours.

**Waiting time before installation:** 24-48 hours.

**Application temperature range:** from +5°C to +35°C.

**Mixing ratio:** 20-22 parts water for 100 parts by weight of **Plano 3**.

**Storage:** 12 months.

**Application:** trowel, double rubber squeegee and pump.

### Consumption

1.6 kg/m<sup>2</sup> per mm of thickness.

### Packaging

25 kg bags.



## Fiberplan



**Fibre-reinforced ultra-fast hardening (12-24 hours) self-levelling smoothing compound for thicknesses from 3 to 10 mm.**

**Where to use:**

Interior smoothing of existing and new wooden flooring, wooden boarding, chip-board panels, ply-wood, that are sufficiently anchored and where a good resistance to loads and traffic is required. Levelling cement, terrazzo, existing ceramic tile and natural stone substrates.

**Technical data:**

**Consistency:** fine powder.  
**Colour:** pinkish-grey.  
**Pot life:** 20-30 minutes.  
**Setting time:** 45-60 minutes.  
**Set to light foot traffic:** 3 hours.  
**Waiting time before installation:** 12-24 hours.  
**Application temperature range:** from +5°C to +30°C.  
**Mixing ratio:** 24-26 parts water for 100 parts by weight of **Fiberplan**.  
**Storage:** 12 months.  
**Application:** flat trowel.

**Consumption**

1.5 kg/m<sup>2</sup> per mm of thickness.

**Packaging**

25 kg bags.



## Pianodur R



**Ultra-fast setting (12-24 hours) fine grained self-levelling smoothing compound for thicknesses up to 3 mm, suitable for flooring subjected to heavy traffic.**

**Where to use:**

- Interior levelling of new or existing substrates to make them ready to receive all types of resilient or textile flooring even subject to heavy loads.
- Levelling existing flooring in bushammered cement, terrazzo tiles, ceramic tiles and natural stone.

**Pianodur R** is especially fine grained, so it can be used in minimal or virtually zero thickness, although optimal mechanical strength is reached in thicknesses greater than 1 mm.

**Technical data:**

**Consistency:** fine powder.  
**Colour:** grey.  
**Pot life:** 20 to 30 minutes.  
**Setting time:** 50 to 60 minutes.  
**Set to light foot traffic:** 3 hours.  
**Waiting time before installation:** 12-24 hours.  
**Application temperature range:** from +5°C to +35°C.  
**Mixing ratio:** 100 parts by weight of **Pianodur R** with 30 parts water.  
**Storage:** 12 months.  
**Application:** flat trowel or double rubber squeegee.

**Consumption**

1.5 kg/m<sup>2</sup>/mm.

**Packaging**

22 kg bags.



## Planolit



**Fast setting (24 hours) self-levelling smoothing compound for thicknesses from 1 to 5 mm.**

**Where to use:**

- Interior levelling of new or existing substrates to make them ready to receive all types of resilient or textile flooring even subject to heavy loads.
- Levelling existing flooring in bushammered cement, terrazzo tiles, ceramic tiles and natural stone.

**Technical data:**

**Consistency:** fine powder.  
**Colour:** grey.  
**Pot life:** 15-20 minutes.  
**Setting time:** 60 minutes.  
**Set to light foot traffic:** 4 hours.  
**Waiting time before installation:** 24 hours.  
**Application temperature range:** from +5°C to +35°C.  
**Mixing ratio:** 25 parts water for 100 parts by weight of **Planolit**.  
**Storage:** 12 months.  
**Application:** flat trowel or double rubber squeegee.

**Consumption**

1.5 kg/m<sup>2</sup> per mm of thickness.

**Packaging**

25 kg bags.



IBEROTEL in Monte Gordo - Portugal  
Substrate preparation with: PLANOLIT, PRIMER G  
Carpeting and linoleum laid with:  
AQUACOL T, ULTRABOND ECO V4 SP



## Novoplan 21



**Fast hardening self-levelling smoothing compound for thicknesses from 1 to 5 mm.**

**Where to use:**

- Interior levelling of new or existing substrates to make them ready to receive resilient or textile flooring in areas where a good resistance to loads and traffic in offices and public areas is required.
- Levelling existing flooring in terrazzo tiles, ceramic tiles, natural and magnesium stone.

**Technical data:**

**Consistency:** fine powder.

**Colour:** grey.

**Pot life:** 20-30 minutes.

**Setting time:** 50-70 minutes.

**Set to light foot traffic:** 3-4 hours.

**Waiting time before installation:** 24 hours.

**Application temperature range:** from +5°C to +35°C.

**Mixing ratio:** 25 parts water for 100 parts by weight of Novoplan 21.

**Storage:** 12 months.

**Application:** flat trowel or double rubber squeegee.

**Consumption**

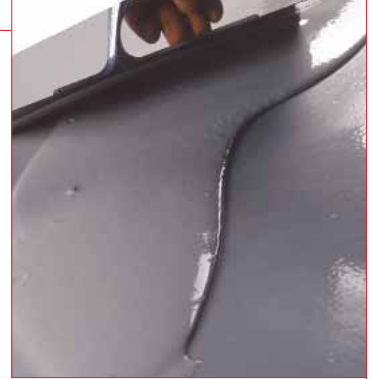
1.6 kg/m<sup>2</sup> per mm of thickness.

**Packaging**

25 kg bags.



## Planopur



**Two-component, self-levelling, flexible polyurethane smoothing compound suitable for all types of substrate, especially the deformable kind.**

**Where to use:**

- Smoothing substrates before laying rubber or PVC floor covering with polyurethane or epoxy-polyurethane adhesives, in residential and industrial environments subject to heavy loads.
- Smoothing deformable substrates, such as asphalt and castable concrete.
- Smoothing and waterproof protection layer of metal, aluminium, chipboard and marine plywood before laying resilient floor coverings.
- Smoothing and waterproof protection of substrates sensitive to humidity, such as those in anhydrite and magnesia.

**Technical data:**

**Consistency:** component A: liquid; component B: liquid.

**Colour:** comp. A: beige, comp. B: brown.

**Flammability:** comp. A: no, comp. B: no.

**Mixing ratio:** comp. A : comp. B = 6 : 1.

**Pot life of mix:** 20-25 minutes.

**Application temperature range:** from +10°C to +30°C.

**Set to light foot traffic:** after approx. 12 hours.

**Waiting time before laying:** approx. 15 hours.

**Final hardening time:** 7 days.

**Application:** rake or smooth, metal trowel.

**Consumption**

approx. 1.5 kg/m<sup>2</sup> per mm of thickness.

**Packaging**

14 kg kits.



# Thixotropic smoothing compounds



## Nivorapid



**Ultra-fast setting thixotropic cementitious levelling mortar for horizontal or vertical surfaces for thicknesses from 1 to 20 mm, with very low emission of volatile organic compounds (VOC).**

### Where to use:

Interior smoothing of all substrates normally used in the building industry as long as they are not subject to moisture and are clean, such as:

- concrete slabs and walls, masonry, renders and cementitious screeds, etc.;
- also suitable for existing floor and wall ceramic tile, natural stone and terrazzo coverings;
- suitable for repairing or levelling steps, edges of pillars, depressions and holes in flooring, walls and ceilings. Especially recommended when the substrates need to be covered within a short time.

It is applied from 1 to 20 mm per coat.

### Technical data:

**Consistency:** fine powder.

**Colour:** grey.

**Pot life:** 15 minutes.

**Setting time:** 20 minutes.

**Set to light foot traffic:** approximately 2 hours.

**Waiting time before installation:** 24 hours.

**Application temperature range:** from +5°C to +35°C.

**Mixing ratio:** 20-22 parts in weight of water for 100 parts of Nivorapid.

**EMICODE:** EC1 R - very low emission.

**Storage:** 12 months.

**Application:** flat trowel.

### Consumption

1.6 kg/m<sup>2</sup> per mm of thickness.

### Packaging

25 kg bags.





## Planipatch



**Smoothing, ultra fast setting thixotropic cementitious levelling mortar for horizontal or vertical surfaces (thickness from 0 to 10 mm), with very low emission of volatile organic compounds (VOC).**

### Where to use:

Interior smoothing of all substrates normally used in the building industry as long as they are not subject to moisture and are clean, such as:

- concrete slabs and walls, masonry, renders and cementitious screeds, etc.;
- also suitable for existing floor and wall ceramic tile, natural stone and terrazzo coverings.

Especially suitable when a very smooth finishing is required and for smoothing-off up to a feather edge. To improve its bonding properties, **Planipatch** can be mixed with **Latex Plus**.

### Technical data:

**Consistency:** fine powder.

**Colour:** grey.

**Pot life:** approx. 10 minutes.

**Setting time:** approx. 25 minutes.

**Set to light foot traffic:** approx. 2 hours.

**Waiting time before installation:** 4-6 hours.

**Application temperature range:** from +5°C to +30°C.

**Mixing ratio:** 25-27 parts in weight of water for 100 parts of **Planipatch**.

**EMICODE:** EC1 - very low emission.

**Storage:** 12 months.

**Application:** flat trowel.

### Consumption

1.5 kg/m<sup>2</sup> per mm of thickness.

### Packaging

25 kg bags.



## Pianocem M



**Thixotropic cementitious levelling compound for horizontal and vertical surfaces from 1 to 5 mm.**

**Where to use:**

- Internal levelling of new or existing substrates to ready them for receiving covering subject to normal traffic.
- Levelling of existing flooring in bushammered cement, terrazzo tile and cement render levelling compounds, light weight concrete, ceramic tile, existing walls.

To improve the mechanical strength of **Pianocem M**, it is recommended to add 1-2 kg of **Livingum** or **Planicrete** for each 25 kg bag.

**Technical data:**

**Consistency:** fine powder.

**Colour:** cement grey.

**Pot life:** 4 hours.

**Setting time:** between 4 and 6 hours depending on the thickness.

**Set to light foot traffic:** from 4 to 24 hours, depending of the temperature conditions.

**Application temperature range:** from +5°C to +35°C.

**Mixing ratio:** 100 parts by weight of **Pianocem M** and 28 parts water.

**Storage:** 12 months.

**Application:** flat trowel.

**Consumption**

1.4 kg/m<sup>2</sup> per mm of thickness.

**Packaging**

25 kg bags.





## Planitex A



**Gypsum based adhesive and levelling compound.**

**Where to use:**  
High resistance adhesive and levelling compound for:

- installation of gypsum panels for precast partition walls;
- fixing rosettes;
- levelling gypsum or cement based renders, on the latter after a previous application of **Primer G**.

Levelling compounds carried out with **Planitex A** are suitable to receive all types of textile, resilient and wall paper coverings.

**Planitex A** is used only in interiors for thicknesses from 0 up to 10 mm.

**Technical data:**  
**Consistency:** powder.  
**Colour:** white.  
**Pot life:** 40 minutes.  
**Setting time:** 70-90 minutes depending on the thickness.  
**Application temperature range:** from +5°C to +35°C.  
**Mixing ratio:** 52 parts water for 100 parts by weight of **Planitex A**.  
**Storage:** 12 months.  
**Application:** flat trowel.

**Consumption**  
1.1 kg/m<sup>2</sup> per mm of thickness.

**Packaging**  
15 kg bags.



WARNER BROS MULTIPLEX CINEMA - Vicenza - Italy  
Substrate preparation with: EPORIP, NIVORAPID,  
PIANOCEM F, TRIBLOCK, ULTRAPLAN,  
ULTRAPLAN MAXI, PRIMER G  
Carpeting laid with ADESILEX VZ