

Planitop Range

PRODUCTS FOR BUILDING



Smooth
any surface



Planitop Range

There is a vast array of substrates employed in the building industry, such as “fresh” and “cured” traditional or pre-blended render, concrete, plastic coatings and glass or porcelain mosaic. They may be applied in both internal and external environments, and often need to be smoothed over before they are painted or coated with a mineral-based or synthetic-based product.

The cementitious and lime-cement based skimming products from the **Planitop Range**, specifically developed by MAPEI, carry out this function; in fact, thanks to their special composition, they adhere exceptionally well to any type of substrate and, combined with excellent workability, they are able to satisfy all requirements in any application condition.

The skimming products from the **Planitop Range** may be either fine-grained or coarse-grained to determine the texture of the surface where they are applied, and they may be used to obtain either a smooth or natural finish to meet the most diverse requirements of the most demanding professional.

	Max. grain size (mm)	Water-repellent properties	Type of substrate				
			Absorbent				
			Internal render	External render	“Fresh” render (within 24 hours of application)	“Cured” render (more than 24 hours after application)	Concrete
Planitop 510	0.4		•	•	•	•	
Planitop 517	1.0		•	•	•	•	
Planitop 530	0.4		•	•	•	•	•
Planitop 540	0,4	•	•	•		•	•
Planitop 560	< 0.1		•	•	•	•	
Planitop 580	< 0.1		•			• (*)	
Planitop 200	0.4	•	•	•		•	•
Planitop 207	0.7	•	•	•		•	•
Planitop 210	0.4	•	•	•		•	•
Planitop 217	1.0	•	•	•		•	•

(*) Apart from being fully “cured”, substrates must also be “dry”.



			CE Marking		Composition			Colour	
Non-absorbent			EN 998 – 1	EN 1504 – 2	Lime-cement	Cementitious	Lime-gypsum	White	Grey
Plastic coating	Glass mosaic	Porcelain							
			•		•			•	•
			•		•			•	•
			•	•	•			•	•
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•			•	•		•		•	•

Planitop 200



Water-repellent cementitious skimming mortar with a fine-textured, natural finish for concrete, plastic coatings, glass and porcelain.

Where to use:

fine-textured, natural-finish skim coats on internal and external concrete, cementitious and lime-mortar render, old quartz paint, scratch-effect plastic coatings and glass or porcelain mosaics.

Product classification:

Planitop 200 complies with the minimum requirements of EN 1504-2 coating (C) according to principles MC and IR (“Concrete surface protection systems”) and according to EN 998-1 is classified as GP-type natural finish skimming mortar (“General purpose mortar for internal/external render”), category CS IV.

Technical data	
Product identity and application	
Colour:	white or grey
Maximum size of aggregate (EN 1015-1):	0.4 mm
Maximum application thickness:	3 mm
Performance characteristics	
Compressive strength after 28 days (EN 12190):	> 20 MPa
Adhesion to concrete after 28 days (EN 1542):	≥ 2 MPa
Capillary action water absorption (EN 1015-18):	Category W 2
Packaging:	25 kg bags
Consumption:	approx. 1.3 kg/m² (per mm thickness)



Planitop 207



Water-repellent cementitious skimming mortar with a medium-textured natural finish for concrete, plastic coatings, glass and porcelain.

Where to use:

medium-textured, natural-finish skim coats on internal and external concrete, cementitious and lime-mortar render, old quartz paint, scratch-effect plastic coatings and glass or porcelain mosaics.

Product classification:

Planitop 207 complies with the minimum requirements of EN 1504-2 coating (C) according to principles MC and IR (“Concrete surface protection systems”) and according to EN 998-1 is classified as GP-type natural finish skimming mortar (“General purpose mortar for internal/external render”), category CS IV.

Technical data	
Product identity and application	
Colour:	white or grey
Maximum size of aggregate (EN 1015-1):	0.7 mm
Maximum application thickness:	3 mm
Performance characteristics	
Compressive strength after 28 days (EN 12190):	> 25 MPa
Adhesion to concrete after 28 days (EN 1542):	> 2 MPa
Capillary action water absorption (EN 1015-18):	Category W 2
Packaging:	25 kg bags
Consumption:	approx. 1.5 kg/m² (per mm thickness)



Planitop 210



Water-repellent cementitious skimming mortar with a fine-textured natural finish for concrete and plastic coatings.

Where to use:

fine-textured, natural-finish skim coats on internal and external concrete, cementitious and lime-mortar render, old quartz paint and scratch-effect plastic coatings.

Product classification:

Planitop 210 complies with the minimum requirements of EN 1504-2 coating (C) according to principles MC and IR (“Concrete surface protection systems”) and according to EN 998-1 is classified as GP-type natural finish skimming mortar (“General purpose mortar for internal/external render”), category CS IV.

Technical data	
Product identity and application	
Colour:	white or grey
Maximum size of aggregate (EN 1015-1):	0.4 mm
Maximum application thickness:	3 mm
Performance characteristics	
Compressive strength after 28 days (EN 12190):	> 16 MPa
Adhesion to concrete after 28 days (EN 1542):	≥ 1 MPa
Capillary action water absorption (EN 1015-18):	Category W 2
Packaging:	25 kg bags
Consumption:	approx. 1.3 kg/m² (per mm thickness)



Planitop 217



Water-repellent cementitious skimming mortar with a coarse-textured, natural finish for concrete and plastic coatings.

Where to use:

coarse-grained, natural-finish skim coats on internal and external concrete, cementitious and lime-mortar render, old quartz paint and scratch-effect plastic coatings.

Product classification:

Planitop 217 complies with the minimum requirements of EN 1504-2 coating (C) according to principles MC and IR (“Concrete surface protection systems”) and according to EN 998-1 is classified as GP-type natural finish skimming mortar (“General purpose mortar for internal/external render”), category CS IV.

Technical data	
Product identity and application	
Colour:	white or grey
Maximum size of aggregate (EN 1015-1):	1 mm
Maximum application thickness:	3 mm
Performance characteristics	
Compressive strength after 28 days (EN 12190):	> 16 MPa
Adhesion to concrete after 28 days (EN 1542):	≥ 1 MPa
Capillary action water absorption (EN 1015-18):	Category W 2
Packaging:	25 kg bags
Consumption:	approx. 1.3 kg/m² (per mm thickness)



Planitop 510



Lime-cement skimming mortar with a fine-textured, natural finish for render.

Where to use:

fine-textured, natural-finish skim coats on “fresh” or “cured” internal and external rough traditional or pre-blended render before decorating with a thin coat of mineral or synthetic paint or coating.

Product classification:

According to EN 998-1 European Standards, **Planitop 510** is classified as GP-type natural finish skimming mortar (“General purpose mortar for internal/external render”), category CS II.

Technical data	
Product identity and application	
Colour:	white or grey
Maximum size of aggregate (EN 1015-1):	0.4 mm
Maximum application thickness:	3 mm
Performance characteristics	
Compressive strength after 28 days (EN 1015-11):	Category CS II (1.5 to 5.0 N/mm²)
Adhesion to substrate (render) (EN 1015-12):	≥ 0.5 N/mm² failure mode (FP)=B
Capillary action water absorption (EN 1015-18):	Category W 0
Packaging:	25 kg bags
Consumption:	approx. 1.3 kg/m² (per mm thickness)



Planitop 517



Lime-cement skimming mortar with a coarse-textured, natural finish for render.

Where to use:

coarse-textured, natural-finish skim coats on “fresh” or “cured” internal and external rough traditional or pre-blended render before decorating with a thin coat of mineral or synthetic paint or coating.

Product classification:

According to EN 998-1 European Standards, **Planitop 517** is classified as GP-type natural finish skimming mortar (“General purpose mortar for internal/external render”), category CS III.

Technical data	
Product identity and application	
Colour:	white or grey
Maximum size of aggregate (EN 1015-1):	1 mm
Maximum application thickness:	3 mm
Performance characteristics	
Compressive strength after 28 days (EN 1015-11):	Category CS III (3.5 to 7.5 N/mm ²)
Adhesion to substrate (render) (EN 1015-12):	≥ 0.5 N/mm ² failure mode (FP)=B
Capillary action water absorption (EN 1015-18):	Category W 1
Packaging:	25 kg bags
Consumption:	approx. 1.3 kg/m ² (per mm thickness)



Planitop 530



Lime-cement skimming mortar with a fine-textured, natural finish for render and concrete.

Where to use:

fine-textured, natural finish skim coats on “fresh” or “cured” internal and external rough traditional or pre-blended render before decorating with a thin coat of mineral or synthetic paint or coating.

Product classification:

Planitop 530 complies with the minimum requirements of EN 1504-2 coating (C) according to principles MC and IR (“Concrete surface protection systems”) and according to EN 998-1 is classified as GP-type natural finish skimming mortar (“General purpose mortar for internal/external render”), category CS IV.

Technical data	
Product identity and application	
Colour:	white or grey
Maximum size of aggregate (EN 1015-1):	0.4 mm
Maximum application thickness:	3 mm
Performance characteristics	
Compressive strength after 28 days (EN 12190):	> 6 MPa
Adhesion to concrete after 28 days (EN 1542):	≥ 1 MPa
Capillary action water absorption (EN 1015-18):	Category W 0
Packaging:	25 kg bags
Consumption:	approx. 1.25 kg/m² (per mm thickness)



Planitop 540



Water-repellent cementitious skimming mortar with a fine-textured, natural finish for render and concrete.

Where to use:

fine-textured, natural finish skim coats on internal and external uneven concrete and “cured” pre-blended render before decorating with a thin coat of mineral or synthetic paint or coating.

Product classification:

Planitop 540 complies with the minimum requirements of EN 1504-2 coating (C) according to principles MC and IR (“Concrete surface protection systems”) and according to EN 998-1 is classified as GP-type natural finish skimming mortar (“General purpose mortar for internal/external render”), category CS IV.

Technical data	
Product identity and application	
Colour:	white or grey
Maximum size of aggregate (EN 1015-1):	0.4 mm
Maximum application thickness:	3 mm
Performance characteristics	
Compressive strength after 28 days (EN 12190):	15 MPa
Adhesion to concrete after 28 days (EN 1542):	> 1 MPa
Capillary action water absorption (EN 1015-18):	Category W 2
Packaging:	25 kg bags
Consumption:	approx. 1.2 kg/m² (per mm thickness)



Planitop 560



Lime-cement skimming mortar with an ultra fine-textured finish for render.

Where to use:

ultra fine-textured skim coats on “fresh” or “cured” internal and external traditional or pre-blended render before decorating with a thin coat of mineral or synthetic paint or coating.

Product classification:

According to EN 998-1 European Standards, **Planitop 560** is classified as GP-type skimming mortar (“General purpose mortar for internal/external render”), category CS IV.

Technical data	
Product identity and application	
Colour:	white
Maximum size of aggregate (EN 1015-1):	< 0.1 mm
Maximum application thickness:	2 mm
Performance characteristics	
Compressive strength after 28 days (EN 1015-11):	Category CS IV ($\geq 6 \text{ N/mm}^2$)
Adhesion to substrate (render) (EN 1015-12):	$\geq 0.4 \text{ N/mm}^2$ failure mode (FP)=B
Capillary action water absorption (EN 1015-18):	Category W 0
Packaging:	20 kg bags
Consumption:	approx. 1.1 kg/m^2 (per mm thickness)



Planitop 580



Lime-gypsum skimming mortar for internal render.

Where to use:

fine-textured skim coats on “cured” and “dry” internal traditional or pre-blended lime, gypsum and cement-based render before decorating with a thin coat of mineral or synthetic paint or coating.

Technical data

Product identity and application

Colour: **white**

Maximum size of aggregate: **< 0.1 mm**

Maximum application thickness: **3 mm**

Performance characteristics

Compressive strength after 28 days: **> 2 N/mm²**

Adhesion to substrate (render): **≥ 0.5 N/mm²**

Vapour permeability: **40 μ**

Packaging: **15 kg bags**

Consumption: **approx. 0.8 kg/m² (per mm thickness)**



Planitop Fast 330 and Nivoplan



Thick levelling on interiors and exteriors, of out-of-plumb rendered walls, and walls of foamed cement, bricks and Heraclit®.

Planitop Fast 330, quick-setting, fibre-reinforced cementitious mortar for internal and external walls and floors, applied at a thickness from 3 to 30 mm to smooth out irregularities.

Nivoplan, one-component, cement-based, thixotropic levelling mortar for applications on vertical surfaces, available in grey or white. The product can be applied directly on the surface to be levelled or with a previous application of a primer, in a maximum thickness of 30 mm.



Planitop Fast 330



Nivoplan

Planitop Smooth & Repair



Rapid-setting skim coats and surface repairs of deteriorated concrete surfaces, corners of beams, pillars, buffer walls, cornices and the front edges of balconies.

Planitop Smooth & Repair, R2 class, rapid-setting shrinkage-compensated, fibre reinforced, one-component cementitious mortar, for repairing and smoothing concrete. It may be applied from 3 to 40 mm thick in a single layer, made from special hydraulic binders, selected fine grained-aggregates, synthetic polymers and selected aggregates.



Planitop Smooth & Repair R4



Rapid-setting skim coats and structural surface repairs of deteriorated concrete surfaces, corners of beams, pillars, buffer walls, cornices and the front edges of balconies.

Planitop Smooth & Repair R4, structural R4-class, rapid setting, one-component, shrinkage-compensated, thixotropic fibre-reinforced, cementitious mortar, applied in a single layer from 3 to 40 mm thick, for repairing and smoothing concrete. Made from special, highly reactive hydraulic binders, synthetic polyacrylonitrile fibres, synthetic polymers and special admixtures.



Planitop 100



Fine smoothing for beams, pillars, balcony risers and repairing precast concrete structures, with rapid setting and hardening mortar.

Planitop 100, one-component, light grey mortar, based on cementitious binders, to be applied on concrete surfaces or on compensated shrinkage mortars, used for repairing, in a thickness of approximately 3 mm.

Thanks to its light colour and rapid setting, this product is also suitable for repairing precast elements damaged during transport.



Planitop Fine Finish



Rapid-hardening, ultra fine textured skimming mortar for porous or uneven concrete structures; recommended for exposed finish surfaces.

Planitop Fine Finish, is a light grey coloured one-component, ultra fine-textured cementitious skimming mortar made from special binders and synthetic polymers, for levelling surface defects in cast concrete, such as gravel clusters and second pours.

Planitop Fine Finish may be used to skim surfaces down to a “feather edge” and it may be applied in layers up to 3 mm thick.



Planitop HDM



High-ductility smoothing compound, to be used for both reinforcing masonry structures in conjunction with Mapegrid G 120, Mapegrid G 220 or Mapegrid B 250 and smoothing or levelling surfaces in concrete, stone, brickwork and tuff.

Planitop HDM, two-component, high-strength, cement-based mortar with fine-grained selected aggregates, special admixtures and synthetic polymers in water dispersion, to be applied on surfaces in stone, brickwork and tuff at a thickness up to 6 mm per coat.



Monofinish



Fine smoothing of beams, pillars, balcony risers, eaves, and vertical concrete surfaces, with normal setting mortar.

Monofinish, one-component, grey mortar, based on cementitious binders, to be applied directly onto concrete surfaces or on compensated shrinkage cementitious mortars, used for repairs, in a thickness of approximately 3 mm per coat.



Mapefinish



Fine smoothing of hydraulic works, with concrete surfaces exposed to weak chemical aggression due to the presence of industrial areas or saline environments, and to abrasion and erosion.

Mapefinish, two-component grey mortar, based on cementitious, microsilica and acrylic polymer binders in water dispersion. The product can be applied directly onto concrete surfaces or on compensated shrinkage mortars used for repairs, in a thickness of approximately 3 mm per coat.



Nivorapid



Levelling and repairing of interior walls, steps, corners of concrete pillars, Mapecem-based screeds, anhydrite, magnesium, refined ceramic asphalt and heating screeds.

Nivorapid, ultra-fast drying, cementitious thixotropic levelling mortar for horizontal and vertical applications.

The product can be applied in thicknesses between 1 and 20 mm. When the thickness to be applied is more than 10 mm, it is advisable to add aggregates (up to a maximum of 30%) with suitable grain size to the thickness desired.



Mapelastic and Mapelastic Smart



Protective elastic smoothing compound for beams, pillars, viaduct decks, precast structures and concrete constructions already cracked or subject to a risk of cracking under dynamic loads.

Mapelastic and **Mapelastic Smart**, elastic, two-component cementitious mortars based on cementitious binders and special acrylic polymers in water dispersion. To be applied with a trowel or a spraying machine, on concrete surfaces, on compensated shrinkage mortars, used for repairing and also on cracked renders, in a thickness of 2 mm. The products are watertight and resistant to aggressive agents in the atmosphere. They prevent carbonation, chlorides (calcium and sodium) and sulphates.



Mapelastic



Mapelastic Smart

products that make it possible to **level** all types of **surfaces**:



● **Technical documentation**

From the technical area menu you can view the technical documentation divided per product lines and type of document.

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