

Planicrete

SYNTHETIC RUBBER LATEX
TO IMPROVE ADHESION OF CEMENT-BASED MIXES

**NEW
FORMULA**

Improves performance
and adhesion of
render and **screeds**



Planicrete

Synthetic rubber latex to improve adhesion of cement-based mixes

AREAS OF USE

- Admixture to improve the mechanical properties and adhesion of cement-based screed mixes, render and skimming/smoothing compounds.
- Admixture for highly adhesive cement-based bonding slurry.

TECHNICAL CHARACTERISTICS

Planicrete is a highly stable water dispersion of a special synthetic elastomer resistant to alkaline saponification, characterised by its low glass transition temperature.

This special SBR (styrene-butadiene rubber) based elastomer has special properties which makes it stable after ageing. The polymer chains forming this elastomer are characterised by a tight weave of chemical binders which connect them together. This important characteristic enables the polymer chains to take up a parallel conformation when they are deformed, thus giving the elastomer a high level of elasticity.

Planicrete is supplied in the form of a highly fluid, white coloured latex which, when added to cement and aggregate mixes, improves their adhesion, plasticity, thixotropy, water retention and overall workability. After setting and hardening, cement-based mixes with **Planicrete** have the following properties:

- better adhesion to substrates;
- higher compressive and flexural strength;
- higher resistance to abrasion;
- higher impermeability;
- higher resistance to freeze-thaw cycles;
- higher resistance to diluted acids, saline solutions and oils.



Application of cement-based slurry admixed with **Planicrete**



Application of a cement-based bonded screed admixed with **Planicrete**

PACKAGING

5 kg, 10 kg and 25 kg drums and 12 x 1 kg sachets.

CONSUMPTION

According to dilution rate and thickness of the mortar.

Technical data	
Product details	
Consistency:	fluid liquid
Colour:	white
Density:	1.02 g/cm³
pH:	7
Application data	
Application temperature:	+5°C to +40°C

Dosage and consumption rates				
AREAS OF USE	Planicrete : water ratio	Cement: aggregate ratio (in weight)	Mixed aggregates in granulometric curve	Consumption of Planicrete
Bonded screeds (thickness 10 to 35 mm)	1 : 3	1 : 4	0÷8 mm	40-50 g/m ² /mm of thickness
Floating screeds (thickness > 35 mm)	1 : 4	1 : 5	0÷8 mm	30-40 g/m ² /mm of thickness
Render	1 : 4	1 : 3.6	0÷3 mm	60-70 g/m ² /mm of thickness
Render with Nivoplan	1 : 5	–	–	70-80 g/m ² /mm of thickness
Scratch-coat layers for render	1 : 1	1 : 1	0÷2 mm	220-230 g/m ² /mm of thickness
Filler mortar	1 : 2.5	1 : 3	0÷3 mm	50-60 g/m ² /mm of thickness
Bonding slurry	1 : 1	–	–	300-310 g/m ² /mm of thickness

*N.B.: The dilution ratios for **Planicrete** and water are for dry aggregates. If damp or wet aggregates are used, reduce the water/**Planicrete** solution accordingly.*



Scratch-coat mortar admixed with **Planicrete**



Cement-based render with **Planicrete**.
Construction site for the Ville Marie motorway tunnel - Montreal, Canada



● **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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