



# Planiprep SC

**Rapid setting,  
Fiber reinforced,  
polymer modified,  
fine-textured  
thixotropic cementitious  
skimming compound**



## WHERE TO USE

Ideal for repairing floors that need to be ready for use quickly.

Used for smoothing and skimming new and existing internal substrates (from a feather-edge up to a maximum of 2-5 mm) to make them suitable for bonding all types of floor covering very quickly (2 hours), including resilients and textiles.

Ideal for localised repair work (maximum thickness 5 mm), including on vertical surfaces, where a rapid-hardening and drying product with a particularly fine-textured surface finish is required.

### Some application examples

- Use as skim coating in concrete slabs prior to the application of underlayments.
- Smoothing over concrete floor slabs, screeds made from **Mapecem**, **Mapecem Pronto**, **Topcem** or **Topcem Pronto**.
- Skimming and smoothing over terrazzo, ceramic and natural stone.
- Skimming concrete walls and cement-based render.
- Repairing and levelling steps, undulating floors, landings and the edges of pillars.

## TECHNICAL CHARACTERISTICS

**Planiprep SC** is a grey-coloured powder made from special cementitious binders, selected aggregates and synthetic additives according to a formula developed in the MAPEI research laboratories.

When mixed with water, **Planiprep SC** forms a thixotropic mortar with good workability that adheres extremely well to surfaces, and that dries so quickly that the next phase of installing any type of flooring may be carried after just 2 hours.

**Planiprep SC** hardens without shrinking or cracking and reaches a high level of mechanical strength and resistance to dents and abrasion. Substrates skimmed or smoothed over with **Planiprep SC** have a very smooth, fine-textured finish particularly suitable for resilient floor coverings.

**Planiprep SC** may be skimmed down to a feather-edge without applying an adhesion promoter.

## RECOMMENDATIONS

- Do not mix the product with more than the recommended amount of water and do not add water once it has started to set.
- Do not add lime, cement or gypsum to the mix.
- Do not use on external surfaces.



Removing a portion of resilient floor covering in the area to be repaired



Removing dust with a vacuum cleaner



Reintegrating a portion of the substrate

- Do not apply on substrates with continuous rising damp.
- Do not use the product at temperatures lower than +5°C.
- Protect surfaces in hot and/or windy weather to prevent the water evaporating off too quickly.
- Do not leave bags of **Planiprep SC** exposed to direct sunlight or near sources of heat for long periods before use.

## APPLICATION PROCEDURE

### Substrate preparation

Substrates must be sound, dry and free of all traces of dust, loose or detached parts, paint, varnish, wax, oil, rust and gypsum.

Cementitious surfaces that are wet or not sufficiently sound must be removed or, if possible, consolidated with **Profas**, **Primer MF**, **Eco Prim PU 1K**, etc.

Immediately after applying one of the aforementioned treatments, broadcast the surface with dry crushed sand or **Quartz 1.2**.

Repair cracks in the substrate with **Eporip** or **Eporip Turbo**.

Thoroughly clean existing ceramic, stone and metallic surfaces with suitable detergent and/or abrade the surface with a suitable power tool.

### Preparation of the mix

Pour a 4.5 kg bag of **Planiprep SC** into a container with 2.6 - 2.8 litres of clean water while mixing and keep mixing with an electric mixer at low speed to form a smooth, lump-free mix.

For localised repairs more than 1 cm thick (up to 2.5 cm), 30% of 0.4 quartz sand may be added to the mix.

The amount of **Planiprep SC** mixed in each batch must be applied within 20 minutes (at +23°C).

### Application of the mix

Apply the mix with a long-bladed metal smoothing trowel. Surfaces skimmed or smoothed over with **Planiprep SC** are ready for the next phase after just 2 hours.

### Cleaning

Clean **Planiprep SC** from hands and tools while still wet with water.

### CONSUMPTION

The consumption rate for **Planiprep SC** is approximately 1.0 kg/m<sup>2</sup> per mm of thickness.

### PACKAGING

**Planiprep SC** is available in 2 packaging:

- 22.5 kg boxes containing 5x4.5 kg plastic bag.
- 4.5 kg plastic bag

## STORAGE

**Planiprep SC** remains stable for at least 12 months if stored in a dry place. If stored for longer periods, **Planiprep SC** may take longer to set without altering its final characteristics.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Planiprep SC** contains cement that when in contact with sweat or other body fluids causes irritant alkaline reactions and allergic reactions to those predisposed. It can cause damage to eyes. It is recommended to use protective gloves and goggles and to take the usual precautions for handling chemicals. If the product comes in contact with the eyes or skin, wash immediately with plenty of water and seek medical attention.

For further and complete information about the safe use of our product please refer to the latest version of our Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

## WARNING

*Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.*

Please refer to the current version of the **Technical Data Sheet**, available from our website [www.mapei.com](http://www.mapei.com)

## LEGAL NOTICE

**The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.**

**The most up-to-date TDS can be downloaded from our website [www.mapei.com](http://www.mapei.com).**

**ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.**

**All relevant references for the product are available upon request and from [www.mapei.com](http://www.mapei.com)**

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	fine powder
Colour	grey
Bulk Density (g/cm <sup>3</sup> )	750
Dry solids content (%):	100
APPLICATION DATA (at +23°C and 50% R.H.)	
Mixing ratio:	58-62 parts of water every 100 parts of <b>Planiprep SC</b>
Thixotropic:	yes
Density of mix (kg/m <sup>3</sup> )	1450
pH of mix:	approx. 12
Application temperature (°C):	+5 to +30
Workability time (mins):	approx. 20
Setting time (3 mm) (mins):	approx. 30
Set to foot traffic (3 mm) (hrs):	approx. 1
Waiting time before bonding flooring (hrs):	2
FINAL PERFORMANCE	
Compressive strength (N/mm <sup>2</sup> ):	
– after 1 day:	>5.0
– after 7 days:	>7.0
– after 28 days:	>12
Flexural strength (N/mm <sup>2</sup> ):	
– after 1 day:	>2
– after 7 days:	>3
– after 28 days:	>5



*Skimming the substrate to a feather edge*



*Grinding after 2 hours*



**MAPEI Malaysia Sdn. Bhd.** (231780-K)

**Head Office:** Tel +(60) 3 7842 9098 - Fax +(60) 3 7842 6197

**Johor Bahru Office:** Tel +(60) 7 595 3032 - Fax +(60) 7 595 3098

**Penang Office:** Tel +(60) 4 642 9098 - Fax +(60) 4 642 9097

**Kuching Office:** Tel +(60) 82 246 660 - Fax +(60) 82 246 661

**Sales Admin:** Tel +(60) 3 7842 9989 - Fax +(60) 3 7842 9880

**Nilai Plant:** Tel +(60) 6 799 8028 - Fax +(60) 6 799 8191

**Email:** mapei@mapei.com.my **Website:** www.mapei.com.my