



# Planitop S12

## Cement-based finishing coat for concrete walls and ceilings and cement-sand rendered surfaces

### DESCRIPTION

**Planitop S12** is a cement-based water-resistant mortar specially formulated as a finishing coat for both interior and exterior use.

### TYPICAL APPLICATION

Smoothing concrete (block) walls and ceilings, and cement-sand rendered walls before painting.

### TECHNICAL CHARACTERISTICS

**Planitop S12** is a white or grey powder composed of cement, selected synthetic resins, and special additives formulated by MAPEI Research Laboratories.

Mixed with water, **Planitop S12** becomes a paste which can be easily applied on vertical surfaces and ceilings up to 1mm thickness per coat.

### RECOMMENDATIONS

- Do not add more water to the mix which has already started to set.
- Do not add lime, cement or gypsum to the mix.
- Add **ISOLASTIC** for external applications.

### APPLICATION PROCEDURE

#### Preparing the substrate

Remove dust, loose particles, release agents or any substances that may reduce or prevent adhesion to the substrate.

Dampen the substrate surface with water to a saturated surface dry condition before applying **Planitop S12**.

#### Preparation of the product

Pour 7 – 7.2 liters of water into a suitable, clean container, then slowly add the **Planitop S12** while stirring with a low-speed mechanical mixer. Mix for a few minutes, making sure that no powder remains stuck to the sides or the bottom of the container. Keep stirring until a lump-free homogeneous mix is obtained. Leave to stand for 5-10 minutes and remix before use.

#### Application of the product

Spread the paste with a flat trowel onto the receiving substrate to a maximum thickness of 1mm per coat. The smoothing operation can be carried out using the same flat trowel.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Consistency:	powder
Colour:	white or grey
Maximum size of aggregate (µm):	100
Bulk density (kg/m³):	900
Dry solids content (%):	100
APPLICATION DATA AT 23°C AND 50% R.H.	
Mixing ratio:	100 parts of <b>Planitop S12</b> with 35-36 parts of water (7 – 7.2 litres of water per 20 kg bag)
Colour of Mix:	white or grey
Density of mix (kg/m³):	1,750
pH of mix:	approx. 12
Application temperature range:	from +5°C to +35°C
Pot life:	3 hours
FINAL PERFORMANCE DATA	
Compressive strength (EN 1015-11):	> 10 N/mm² (after 28 days)
Flexural strength (EN 1015-11):	> 4 N/mm² (after 28 days)
Adhesion strength (EN 1015-12):	> 0.8 N/mm² (after 28 days)

In hot weather, protect the finish from rapid evaporation.

### Cleaning

Tools used to apply **Planitop S12** may be cleaned with water before it hardens.

### CONSUMPTION

1.3 kg/m² per mm thickness.

### PACKAGING

Available in 20 kg bags.

### STORAGE

**Planitop S12** may be stored for 12 months from the date of manufacture in its original unopened packaging in a dry well-ventilated place.

### SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

**Planitop S12** contains cement that when in contact with sweat or other body fluids cause irritant alkaline reaction and allergic reactions to those predisposed. It can cause damage to eyes. During use, wear protective gloves and goggles and take the usual precaution for handling chemicals. In case of contact with 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 report 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 applications: 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.*

**LEGAL NOTICE**

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**All relevant references  
of the product are available  
upon request**

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