

Maefront Raspat



One coat rendering mortar for a medium grain scrape, droplet or crushed droplet finish



SUITABLE APPLICATIONS

Façade cladding: **Maefront Raspat**, when applied on brickwork, concrete blocks, thermal ceramic blocks, concrete or rough cementitious renders, provides water tightness, transpirability plus an attractive finish (fine scrape, droplet, crushed droplet). It may be applied manually or using a sprayer.

Some application examples

- Rendering on new surfaces.
- Restoring façades cladded with traditional mortars in bad condition.

TECHNICAL SPECIFICATIONS

Maefront Raspat is a powder mixture made up of hydraulic binders, medium grain aggregates and special admixtures, selected according to a formula developed in MAPEI's research laboratories.

IMPORTANT NOTICE

- Do not apply **Maefront Raspat** on plaster, paint, cellular concrete surfaces or on metal or plastic surfaces.
- Do not apply on horizontal surfaces or surfaces with an inclination of less than 45°.
- Always mix **Maefront Raspat** with the same proportion of water to avoid tone changes.
- Do not apply **Maefront Raspat** at temperatures below +5°C, or above +30°C.

- Do not use during very humid weather, rain or frost forecasts because this may lead to the appearance of surface carbonation.

- Reinforce the mortar with alkaline resistant fiberglass mesh at joinings between different types of surfaces and in the corners of holes.

INSTRUCTIONS FOR USE

Preparing the surface

Surfaces must be level, structurally sound, resistant and free of dust, grease, paint, plaster, damp, etc.

Before applying **Maefront Raspat** to traditional mortar surfaces in bad condition remove existing mortar from the entire surface and clean with high pressure water to remove dust and any traces of adhered material.

In hot weather with dry winds wet the surface beforehand to prevent the mortar from dehydrating and wet the cladding again 24 hours after applying it in order to ensure it sets properly.

It is advisable to wet highly absorbent surfaces before applying the mortar.

We recommend you apply a first 5 mm thick primer layer to even out the entire surface before you apply the finishing coat. During hot weather with dry winds, wet the priming surface before applying the finishing layer.

On smooth concrete surfaces apply adhesive grout first. This is prepared by mixing 1 part water with

Mapefront Raspat



Product mixing



Controlling surface levelling with rails



Application of Mapefront Raspat



Trowelling Mapefront Raspat

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Consistency:	powder
Colour:	MAPEI chart of 24 colours
Powder density (kg/m ³):	1,250

APPLICATION DATA

Mixture proportions:	one 25 kg bag to 6.5-7 l of water
Paste density (kg/m ³):	1,600
Time needed to settle after mixing:	5 minutes
Applied at temperatures of:	between +5°C and +30°C
Minimum thickness after scraping (mm):	10
Minimum thickness under batten (mm):	8
Maximum thickness for each coat (mm):	20

FINAL CHARACTERISTICS

Density of hardened material (kg/m ³):	1,350
Adherence at 28 days (MPa):	≥ 0.5
Flexural strength at 28 days (MPa):	≥ 2
Compression strength at 28 days (MPa):	1.5-5 (CSII)
Drying shrinkage (mm/m):	< 1.2
Elastic dynamic module (N/mm ²):	5,500
Reaction to fire:	class A1
Capillary action water absorption [kg/(m ² ·min ^{0.5}):	≤ 0.2 (W2)
Water permeability after weathering cycles (ml/cm ² after 48 h):	≤ 1
Water vapour permeability coefficient (μ):	≤ 10
Bond strength to substrate (brickwork) (N/mm ²):	0.4 FP: B
Thermal conductivity (λ _{10,dry}) (W/mK):	0.52

1 part **Planicrete** plus powder from the same mortar. Alternatively you can use **Mapefront Raspat** for the first layer by replacing 2 litres of water from the mix with 2 litres of **Planicrete**.

Reinforce the mortar in places where cracks are likely to appear, such as joints between different materials, shutter casements, corner angles of doors and windows, etc.

Respect dilation joints and treat them appropriately.

How to prepare the mixture

Mix **Mapefront Raspat** by hand or by machine by adding 6.5-7 litres of clean water per bag until you obtain a homogeneous mixture.

Spread the product with a mortar sprayer or a trowel until you obtain a minimum thickness of 12 to 15 mm, then level off using previously placed battens to guide you.

Medium grain scrape finish: you can begin scraping when the mortar begins to harden. The mortar is ready for scraping when it no longer adheres to the scraper teeth. To avoid tone changes always carry out this procedure at the same hardening point.

After scraping the layer must be at least 10 mm thick.

Once you have scraped the surface, brush to remove dust.

Apply a second coat of **Mapefront Raspat** between 3 and 5 mm thick with a sprayer and adjust the nozzle to achieve a droplet finish.

To obtain a crushed droplet finish use a plastic trowel to crush the tips of the droplets you have just sprayed.

Remove the battens a few days later once the corners of the cladding have hardened.

Cleaning Instructions

Mapefront Raspat, that has not set can be removed from tools with water. Once

it has set, cleaning can be carried out by mechanical means.

REQUIRED AMOUNTS

1,25 kg/m² per mm of thickness.

PRESENTATION

It comes in 25 kg bags.

STORAGE

Mapefront Raspat conserved in its original packaging in a dry place will keep for 12 months.

PREPARATION AND APPLICATION SAFETY INSTRUCTIONS

This product contains cement which causes an alkaline irritant reaction when it comes into contact with sweat and other body fluids as well as allergic reactions in some people. Use gloves and eye protection. For further and complete information about the safe use of our product please refer to our latest version of the 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

All relevant references for the product are available upon request and from www.mapei.com and www.mapei.es

DETAILED DESCRIPTION

Facade cladding applied by machine, on brickwork, concrete blocks, thermal ceramic blocks, concrete and rough cementitious rendres (surfaces must be plane, stable, resistant and free of dust, grease, paint, plaster, release agents, etc). One coat mortar made from hydraulic binders, medium grain selected inerts and special additives (**Mapefront Raspat** type by Ibermapei S.A.).

- Scrape finish: once the layer has begun to harden use a scraper to scrape the surface and then brush away any leftover dust.
- droplet finish: use a sprayer to apply a second 3 to 5 mm thick layer over the first layer.
- crushed droplet finish: carry out the same procedure as for the droplet finish and then use a plastic trowel to crush the tips of the material.

The material should be applied either manually or mechanically at a minimum thickness of 12-15 mm and a maximum thickness of 20 mm after applying the sealing layer with the same material at a thickness of 5 mm. Final thickness should not be less than 10 mm.



Scraping
Mapefront Raspat



Detail of application
of Mapefront Raspat



End result after
application process
of Mapefront Raspat

Mapefront Raspat



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