

Technical Information

PermaRend Bedding Mortar



Product Description

Field of Application:

PermaRend Bedding Mortar is a polymer-modified, cement-based render for application onto brickwork, blockwork, concrete and other masonry substrates as part of a PermaRend Exterior Render System.

PermaRend Bedding Mortar is supplied as a mineral dry powder pre-mix, requiring only the addition of water and mixing on site. The material can be applied by trowel or using suitable spraying equipment.

Properties:

- Easy to prepare and use.
- Good handling characteristics
- High bond strength
- Low combustibility. Non-flammable
- Hand or machine application
- Weather-resistant
- Flexible
- High water vapour diffusion
- Highly stable
- Ecologically compatible
- Low chromate content
- Excellent adhesion to Mineral Substrates

Storage:

Store in closed sacks, off the ground, dry, and protected from moisture. Avoid frost.

Shelf Life:

6 months after manufacture date.

Packaging:

25 kg sacks

Colour:

Cement Grey

Product Code:

RE/PERMAREND

Technical Data:

Density:	approx. 1500 kg/m ₃
Consumption:	approx. 2 kg/mm/m ₂



Application

Preparation of Substrates:

Masonry, concrete, brickwork or sound, existing coatings must be clean, dry, firmly adherent and free from all substances that may prevent good adhesion, e.g. form release oils, etc.

Remove unsound flaking, peeling or otherwise defective coatings. Clean the surfaces to remove all materials that might interfere with the adhesion of the Bedding Mortar. Highly absorbent mineral substrates should be treated with Permarock Bonding Agent.

Surfaces contaminated with algae, mould, etc., should be treated with Permarock Moss & Mould Remover.

Preparation of Material:

The material can be used with most types of continuous mixers and can also be prepared manually.

For manual preparation, PermaRend Bedding Mortar is prepared by addition of the dry powder premix (25kg) to clean water (3.5litres) in a suitably sized, smooth-walled, flat bottomed mixing vessel. Mix only full bag quantities. Do not mix part-bags.

The mixing ratio is:
25 kg dry powder premix: 3.5 litres water

The material should be agitated using a low-speed mixer fitted with a paddle-type stirrer until the mixture is uniform and free from lumps (minimum 3 minutes). Additional water (up to 1 litre) may be added, with continued stirring, to adjust consistency. Allow the mixture to stand for ten minutes, then re-mix for one minute. The material is ready to be used. Small amounts of tap water can be added, if necessary, to adjust consistency.

For machine application, the material must be mixed as described above prior to being pumped to the work surface.

Method of Application:

PermaRend Bedding Mortar is applied by stainless steel trowel or machine onto the prepared surface at an application rate of 2 kg/mm/m², depending on the specific usage. The applied material can be trowelled smooth or finished with a spatial or sponge float, depending on the application.

Working Temperature:

PermaRend Bedding Mortar should only be used when the surface and air temperatures, measured at the work face, are 3°C and above on a rising thermometer.

The temperature of the material, surfaces and air should not fall below 5°C during application and drying.

- Avoid frost.
- Avoid application in direct sunlight.
- Avoid application when rainfall is imminent or when temperatures are likely to fall below freezing before drying / curing has taken place.
- Avoid application in conditions likely to result in rapid drying out.

Note: In winter months and during periods of inclement or unusually warm weather it is advisable to record temperatures at the work face using a maximum / minimum thermometer to ensure that the recommended temperature limits are not exceeded.

Drying / Curing Times :

At 20°C and 65% RH the reinforcement layer is sufficiently dry after 24 hours.

Lower temperatures prolong the drying / curing times. Higher temperatures may lead to too-rapid drying and water evaporation and should be avoided.

Protection:

Newly applied material should be protected from strong sunlight, drying winds, frost and precipitation / rainfall during the drying and curing period. Protect adjacent surfaces. Remove splashes immediately with clean water.

Cleaning of Tools & Equipment:

Clean tools and equipment with water immediately after use.

Advice

Further details :

See material safety data sheet

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