

Running Render Muffle Coat

PRODUCT DATASHEET

Product Description

An in-situ render formulated specifically for the restoration and repair of external Roman Cement mouldings and details.

Mix Ratio, Binder & Aggregate

2:1 – Sand : Binder. The binder is Prompt Natural Cement with a small gauge of CL90 lime to improve early strength development. The aggregate is a blended sand being predominantly flint with a maximum aggregate size of 5mm. This product comes pre-fibred with 18mm polypropylene fibres for reinforcement.

Product Compatibility

Suitable for backgrounds in good condition with suitable strength to be able to take a render of this design. Suitable for external and internal use.

Unsuitable for use on non-mineral surfaces, on gypsum plaster or plasterboard.

Coverage

After mixing, a 25kg bag will produce approximately 14-14.5 litres of render.

As this will be used with a horse or form of some description, it is not possible to give figures of total meterage as it will be very dependent on the total thickness being applied. We would recommend trialling a few bags to get an idea of consumption before going ahead with any larger quantity of materials. This will also allow you to get a feel for the working time of the product, and adjust your retarder addition to suit how you want to apply this product.

Working Conditions

Protect your work from adverse weather. Shelter from excess rain or wind to avoid work getting too wet or drying out too quickly. Protect fresh mortars from frosty conditions including near freezing with wind chill. Do not work if temperatures are 4°C and falling or 25°C and rising.

Colour and Texture

As this product is produced using Prompt Natural Cement the final colour achieved will depend on the rate of drying and overall curing of the render in-situ. The faster it dries the more of the rusty-ochre colour will come to the surface, the slower it dries the greyer or more light tan the render becomes; keep in mind that this is not designed for use as a final coat so colour should not be given much significance.

In texture this will be a fairly coarse material with 5mm grit and visible fibres.

Tempo

Tempo is the retarder which will need to be used in conjunction with this product. Without adding Tempo the render will set in somewhere around 90-120 seconds. Gauging Tempo should be done using the cap of the bottle; a common dose would be 5 capfuls per 25Kg bag of render, we do not recommend more than 10 capfuls per bag of render. Tempo should be added to the mixing water and allowed to dissolve before use.

Preparation, Mixing and Application

Ensure the work area is properly prepared and all necessary protection is used. Ensure surfaces are clean and free of dust and other debris. We recommend dubbing out as prep, where required.

Setting times will vary considerably depending on temperature and weather conditions therefore it is advised to always test a small amount first and adjust the Tempo retarder according to the application. Visit www.thenaturalplastercompany.co.uk for our detailed Running Render user guide.

Gauge clean water with the desired amount of tempo retarder for the application required. **Ensure that the tempo is added to the mixing water, and is allowed to dissolved before it is added to the render in the mixer.**

Mix small amounts at a time. Best mixed using a paddle mixer or plasterer's whisk. **Mix for no more than 3 minutes and** use immediately. Once set has begun do not re-mix.

Adequately dampen down dry or high suction backgrounds beforehand and apply a slurry coat of Bonding Coat to improve adhesion. **While the bonding coat is still tacky apply first coat of render; do not allow this to set or dry.** Coats should be applied 'green on green' as the previous coats begin to set. Do not allow each coat to dry out too much before applying the next.

Where previous coats have been left **for more than 24 hours**, repeat the first process of slurry coating.

While this Muffle Coat is fast setting, care must still be taken while curing. Work should be sheltered and protected and should not be allowed to dry back too quickly.

Storage & Packaging

Store under cover and off the ground and keep bags dry at all times. Use within four months of the date of manufacture, as indicated by the first five digits of the date code. The first three numbers indicate the day of the year (e.g. 035 is the 35th day of the year; the 4th of Feb) and the next two numbers are the year.

This product is supplied in 25kg polythene lined paper bags, palletised for shipping and handling. The packaging is a mixed material and should be recycled accordingly.

Also available as tonne bags for 3 Tonne or higher order quantities.

Health and Safety

RISK PHRASES: R36 / R37 / R38 / R43

- Avoid contact with skin and eyes.
- Contact with wet mortar may cause irritation, dermatitis and/or burns.
- Contact between lime powder and body fluid (sweat, eye fluid etc.) may cause skin burns and respiratory irritation, dermatitis or burns.

SAFETY PHRASES: S2 / S24/25 / S26 / S37

- Avoid eye and skin contact by wearing suitable eye protection, protective clothing and gloves.
- Avoid breathing dust.
- Keep out of reach of children.
- On contact with skin and/or eyes, rinse immediately with clean water and seek medical attention.

Declaration

The Natural Plaster Companies renders and plasters are manufactured and tested to the requirements of BS EN 998-1: 2016. This product will contain no Portland Cement.

Datasheet version 1.0, issued October 2025. More modern versions of this document will supersede this datasheet, with no exclusions.