

Construction Products Limited

MESH PLASTER

POLYMER MODIFIED CEMENTITIOUS RENDER

ONE-PACK, GENERAL PURPOSE RENDER & CLADDING PLASTER

DESCRIPTION: A polymer modified, high specification cement render that features strong adhesion and tensile strength development combined with a rapid yet practical through-cure in thicker render sections, with outstanding cured strength, resilience and low shrinkage. The polymer modification used is not PVA or cellulosic as is common with simpler materials, with resultant far improved alkaline durability, resilience and long term cracking resistance.

A particular benefit has been careful attention to application mix rheology to give excellent trowel "feel", and build capability allowing ready attainment of specification thickness with reduced application effort.

May be used for both general purpose rendering for example in flushing rough concrete or block work, and for polystyrene cladding work. Application may be from a fine edge down to 1mm, up to 20 mm without slump with multiple applications used for higher builds.

- Water based for ease of use and cleanup.
- Simple mix on site using a one -pack bagged solids with water. Mix working time "pot-life" 1 hour plus.
- Ease of trowelling, and build capability from 1 to 20 mm.
- Virtually no cure shrinkage, allowing ready attainment of specification thickness and forming of details and corners in a single application.
- Labour saving and extremely cost effective.
- Low temperature cure, down to 5°C. Fast through cure minimises weather delays and ensures timely job completion.
- A choice of several aggregate sizes ranging from, Fine, Coarse and Extra Coarse.

TYPICAL PROPERTIES:

Specific Gravity (Mix): 1.6

Packaging: 25 Kg bag.

Shelf Life (unopened): Minimum 12 months.

Working time/"pot-life": Minimum 1 hour.

Build and usage: For use with mesh reinforced polystyrene average 4mm thickness. Effective coverage (without losses) 3 m² per 25 kg unit – refer Table 1.

Appearance: Highly thixotropic wet mix, low gloss grey mass when cured.

Safety: Non-flammable. Wet material is alkaline - avoid eye and skin contact.

APPLICATION:

Apply to clean surfaces free of loose or friable material. Ideally concrete surfaces to be faired should be damp (but not wet) rather than totally dry to avoid undue suction and cracking. Avoid application in direct sun or in hot windy conditions - where this is unavoidable then keep the new plaster surface dampened by mist water spray during the first day of cure. This material is cement based and will show efflorescence but because of the high polymer content this is "fixed" and providing a good quality acrylic sealer is used may be over coated at three days after application. Measure potable water at the rate prescribed in Table 1 per 25Kg bag into a mixing container - a clean 20 litre bucket is ideal. Add the powder blend, slowly, while stirring continuously with a heavy-duty drill to avoid lumping.

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When all powder has been added continue to mix and add up to a further half litre of water to adjust consistency. The mixed material has a usable working life in excess of 1hour- if the material should begin to set up earlier it may be readily re-stirred to return consistency - otherwise do not add water and attempt to use material that will not re-stir, and has begun to cure.

Apply **Mesh Plaster** with a steel trowel onto the polystyrene to a minimum of 1 to 2 mm in thickness and in vertical bands of 1 metre in width. Embed the 4mm² grid mesh into the wet plaster with a steel trowel, and implant the “butterflies” at the same time. Overlap each subsequent lay of mesh by 100mm over the previous drop. A second coat may be applied after the first coat has dried and hardened and before 21 days.

guarantee as to particular suitability. It is the responsibility of the purchaser to satisfy itself that the product is both fit for the purpose intended and that their use of the product can and does achieve that purpose in any particular instance or condition. Usage rates are presented as an initial guide only and do not account for wastage or substrate or build variations.

May 04

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Table 1.

Mesh Plaster.	Fine	Coarse	Extra Coarse
Litres of clean potable water per bag.	5.0 - 5.5	5.0 - 5.5	5.0 - 5.5
Minimum Mixing Time.	3 - 5 min	3 - 5 min	3 - 5 min
Working Time.(min)	1 hours	1 hours	1 hours
Average coverage per bag at 4mm in thickness.	3.0m ²	3.0m ²	3.0m ²
Plaster overcoat time. (min)	5 hours	5 hours	5 hours
Acrylic Paint / Texture overcoat time. (min)	24 hours	24 hours	24 hours

IMPORTANT NOTE

This product as supplied by **Construction Products Limited** is warranted to conform to those physical properties listed in the Typical Properties section of this information sheet. Otherwise the information presented including that on suggested areas and methods of use is in good faith only and is specifically without recommendation or