

AUTOCLAVED AERATED CONCRETE RENDER

CEM-SKIM PLASTER

DESCRIPTION

CEM-SKIM is a Grey cement based powder which is specifically formulated to work with the unique properties of Aertec AAC blocks. **CEM-SKIM** is a single coat Ready-mix economical plaster which has high yield and high strength with polypropylene reinforcement fibres. When mixed with water, a soft paste like mortar is produced which hardens by hydration.

PRODUCT USE

- AAC blockwork (Autoclaved Aerated Concrete Blocks)
- Concrete blocks and bricks
- Clay bricks
- Concrete structures

PRODUCT BENEFITS

- Easy and quick to apply
- Adhesion enhanced with the use of low density materials for thicker layering
- Active supplementary fillers, providing higher compressive strength, with less water demand and reducing shrinkage
- Combined use of select polymers allows excellent cohesive properties and workability
- Silica grading optimised for smooth finish render
- Polypropylene fibre reinforcement to enhance crack bridging properties and shrinkage compensation.

TECHNICAL PROPERTIES

Density & Yield	1.80 kg/L & 15L
Pot Life	4 Hours
Layer Thickness	3 - 10 mm
Compressive Strength	9 MPa
Water Requirement	4.5 - 5L : 25 kg bag
Curing Time	24 hrs. (Hard Dy)
Temp Range	15°C - 25°C

SURFACE PREPARATION

The substrate must be sound, dry and free from loose particles and oils or any other forms of contamination that may effect bonding. Avoid applying to surfaces of extreme heat or cold temperatures. When applying **CEM-SKIM** to smooth concrete surfaces ensure a key coat is applied prior to plastering.

BONDING / PRIMING

No key coat or primer is required on AAC and concrete blockwork. However it is important to pre-wet the surface of the wall with clean potable water until it is moist but ensuring that there is no free water on the surface prior to application. This is important, as to avoid suction of water out of the skim plaster.

If the surface of the substrate is exceptionally porous a key coat maybe required.

MIXING

Pour 4.5 - 5L of clean potable water into a mixing vessel and slowly add 25kg's of **CEM-SKIM** while mixing with a paddle mixer. Mix for a minimum of 3 minutes in order to prevent sedimentation of the aggregates. After mixing, **CEM-SKIM** should be lump free, smooth and homogeneous.

Do not add more water once the mixture has lost its workability.

APPLICATION

CEM-SKIM should be applied by trowel in a single coat up to a maximum of 10mm. If a thickness exceeding 10mm is required, a two coat application must be carried out. Before applying the second coat, repeat the substrate preparation by pre-wetting. **CEM-SKIM** should be applied in horizontal layers, avoiding the formation of air bubbles. **CEM-SKIM** must be allowed to set sufficiently before final profiling in order to obtain an even surface. After profiling the plaster, slightly wet the surface and smooth out the plaster using a trowel.

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COVERAGE

1mm thick	1.67 kg / m ²
5mm thick	8.35 kg / m ²
8mm thick	13.36 kg / m ²
10mm thick	16.70 kg / m ²

SETTING TIME

CEM-SKIM will start setting between 9 - 12 hours. Setting times will vary, depending on the temperature and the application environment.

CURING

CEM-SKIM is a cementitious product and it is required to cure any cementitious render for at least 72 hours, 3-4 times a day by applying water onto the surface to obtain optimum performance. Alternatively a good quality curing compound can be applied.

SHELF LIFE

CEM-SKIM has a shelf life of 12 months from date of production if stored properly.

STORAGE

CEM-SKIM must be protected from water and moisture, stored in a cool dry place. Bags must not be left open. If stored at high temperatures and/or high humidity conditions, the shelf life may be reduced.

PACKAGING

CEM-SKIM is supplied in 25 kg bags

OTHER MATERIALS

CEM-SKIM is a cementitious product and is therefore compatible with all cement based masonry products eg. conventional plaster, waterproofing and paint.