

UniPlast 108

Cement-based, one coat thin render

Description

UniPlast 108 is a single component, cement-based, polymer modified, factory pre-blended thin render. When mixed with the correct quantity of water, it provides a high-quality thixotropic mortar suitable for use as a fairing coat for leveling walls & ceilings.

UniPlast 108 is applied in one coat, avoiding the drying time associated with multi-coat render systems.

Features and benefits

- Ready to use. Just requires the addition of water.
- Suitable for internal and external applications.
- Non-sag. Good consistency.
- Excellent adhesion to properties to porous substrates including fair face concrete.
- Durable. Excellent resistance to different weather conditions.
- Resists water penetration.
- Pump or hand applied basecoat render.

Recommended for

To even out variations in most suitably prepared substrates, including: brickwork, blockwork, fair face concrete and traditional concrete. **UniPlast 108** provides an excellent background for all ACC finishes and many other types of surface coatings.

Composition

UniPlast 108 is composed of high strength Portland cement, selected well graded fillers and compound of selected chemicals to improve adhesion and workability.

Packaging

UniPlast 108 is available in 25 & 40 kg bags.

Coverage

When applied at 5 mm thickness, coverage is approximately 8 kg/m².

Note:

Coverage rate takes no account of wastage and may vary according to surface condition and application method.

Technical data

Mixed density	1.7 kg/liter
Compressive strength	>30 N/mm ²
Tensile adhesion strength	>0.5 N/mm ²
Pot life	90 minutes @20°C
Application thickness	3 – 8 mm/coat
Appearance	Grey powder

Surface preparation

All surfaces must be sound, clean, dry and free of any material which may impair adhesion. Scaffolding must be independently tied to allow for uninterrupted application.

Any faults in the structure, particularly those which may lead to moisture penetration must be rectified.

Expansion joints should be included as required by the substrate and carried through all applied materials.

Deep surface defects should be filled with suitable repair mortar. Wash the substrates with clean water and remove any excess water at the time of application.

Mixing

UniPlast 108 mortar can be obtained by mixing a 25 kg bag of **UniPlast 108** with approximately 5-6 liters of clean water. For best results, use as little water as possible and mix to give a workable consistency.

Mix mechanically in a suitable batch mixer. A slow speed drill fitted with suitable mixing paddle can also be used. Add the contents of **UniPlast 108** bag to the mixing water slowly while mixing. Mix for 5-10 minutes until a homogeneous mortar consistency is achieved.

Leave the mixture for 3 minutes before use. Re-mix for 2 minutes. Do not over mix.

MIX AND USE. Mix material that can be applied within 90 minutes (pot life).

UniPlast 108 may stiffen on standing. Re-mix it to regain workable consistency but do not add more water.

Application

UniPlast 108 should be applied to the complete area using the traditional hand application technique. It can also be applied using suitable spraying machine.

Surfacing is obtained with one or several layers depending on the required thickness.

In case that more than one layer will be applied, leave each layer to dry for 6 hours minimum before applying the following layer. Then, it should be ruled level. Finish the surface in the normal way to produce a plain face or float finish.

Curing

As with all cement-based products, good curing is very important to ensure that the optimum characteristics are obtained. Always cure with tap water for at least 2 – 3 days. Begin curing as soon as the final setting is achieved. The applied areas should be protected from direct sunlight and heavy wind. In cold, humid or unventilated areas, it may be necessary to leave the application for a longer curing period.

Cleaning

Clean tools with water immediately after use. Hardened materials should be cleaned mechanically.

Storage and shelf life

To maintain its quality and suitability for use, the product should be stored in its unopened packaging, off the ground on pallets or similar structures, in a cool and dry environment. When stored under these recommended conditions, the product remains suitable for

use for 12 months from the manufacturing date stated on the packaging.

Health and safety

This product contains cement which may cause skin irritation. It may cause allergic skin reaction and eye damage. Avoid breathing dust. Wear protective gloves, eye goggles and clothing. In case of skin contact, wash with plenty of water. In case of eye contact, rinse continuously with water for several minutes and seek medical attention. Dispose excess material to special waste collection point in accordance with local & national regulation. Keep out of reach of children.

For further information, please ask for Safety Data Sheet for this product.

The most up-to-date TDS can be obtained from ACC Customer Service Department, or downloaded from our website: www.acc.com.eg.

More from ACC

A wide range of construction chemicals, specialty mortars and specialized building materials are manufactured by ACC which include:

- Waterproofing.
- Flooring.
- Tile Adhesives & Grouts.
- Concrete Repair.
- Non-Shrink Grouts.
- Bonding Agents.
- Exterior Façade Coatings.
- Premixed Fairing Coats, Renders & Mortars.
- Putties (stucco).
- Sealers & Emulsion Paints.