

UniPlast 125

Cement-based, pre-blended, base coat render

Description

UniPlast 125 is a cement-based, factory pre-blended, multi-purpose traditional render for use as a base coat. It is especially formulated to be applied by hand as a leveling mortar for walls and ceilings.

Features and benefits

- Ready to use. Just requires the addition of water.
- Factory controlled production to give a consistently high-quality product
- Suitable for internal and external applications.
- Excellent weather resistance and durability
- Non-sag. Good consistency.
- Maximum protection against salt formation compared with conventional plaster.

Recommended for

UniPlast 125 is especially formulated to be applied by hand as a replacement to traditional site mix sand/cement render. It can be applied to most suitably prepared substrates, including brickwork, blockwork and concrete. **UniPlast 125** provides an excellent background for ACC finishes.

Composition

UniPlast 125 is composed of high strength Portland cement, selected well graded fillers and compound of selected chemicals to improve workability and reduce shrinkage cracking.

Packaging

UniPlast 125 is available in 25 & 40 kg bags.

Coverage

When applied at 20 mm thick, coverage is approximately 32 kg/m².

Note:

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

Technical data

Mixed density	1.80 kg/liter
Compressive strength ASTM C579	>20 N/mm ² after 28 days
Pull-off adhesion strength to concrete ASTM D7234	>0.9 N/mm ² after 28 days
Pot life	60 minutes @ 20°C
Application thickness	15 - 25 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.

Key coat form ACC product range (or jobsite sand/cement through coat render) should be used.

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

High suction substrates should be evenly dampened with clean water prior to the application of **UniPlast 125**. Remove any excess water at the time of application.

Mixing

UniPlast 125 mortar can be obtained by mixing a 25 kg bag of **UniPlast 125** with approximately 4-5 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 125** bag to the mixing water slowly while mixing.

Mix for 5-10 minutes until a homogeneous mortar consistency is achieved. Do not over mix.

MIX AND USE. Mix material that can be applied within 60 minutes (pot life).

Application

Apply **UniPlast 125** mortar by hand immediately after mixing at application thickness of 15-25 mm/layer.

To build up thicker thickness, **UniPlast 125** should be applied in more than one layer till the required thickness is achieved. 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.

Important notes

Do not apply:

- In damp/wet conditions.
- In temperatures below 5°C or above 30°C.
- On elevations in direct sunlight or where the substrate is hot.

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.