

Dr. Fixit Uniplast SP-1105



CEMENT BASED PLASTER / RENDER

Description

Dr. Fixit Uniplast SP 1105 is a dry mix cement based plaster for interior and exterior application.

Typical Applications

- Internal and external plastering on concrete surfaces, concrete blocks and AAC blocks.

Features

- May be applied manually or by spray pump.
- Only requires addition of water on site.
- Quality controlled and factory blended to provide consistent finish
- Accurate aggregate grading and fibre reinforcement reduces shrinkage cracking.
- Aggregate grading increases workability and provides for optimum quality finish
- Rapid installation via spray equipment.
- Suitable for a wide range of masonry and concrete substrates
- Excellent adhesion.
- Can be applied from 5 - 20 mm in one coat.

Packaging

50 kg bags

Method of Application

1 SURFACE PREPARATION

- The substrate must be sound, free from dust and cement laitance, curing compounds, oil, grease, salts and all other contaminants.
- All structural movement joints in the substrate must be followed through in to the finished material.
- Joints must be formed at the junction of different substrate materials such as concrete blocks and steel reinforced concrete or suitable metal or fiberglass reinforcement installed as per our detailed method statement.
- The substrate must be saturated with water to prevent it from absorbing water from the plaster.
- Spray apply the bonding rush coat, Dr. Fixit RC 2000 to create a rough texture ready to receive the plaster. The rush coat should be water cured for 3 days.
- For manual application, mix one 50 kg bag with 7 – 7.5 litres of potable water in a suitable container using a slow speed electric mixer and mix for 3 – 5 minutes. When using a pump spray machine the water addition should be adjusted via the flow meter.

2 APPLICATION

- Mixed material can be applied in one coat at up to 20 mm thick. Where this will be exceeded it should be applied in multiple coats. Each undercoat should be scratched to provide a suitable key and cured for a minimum of 2 days prior to applying subsequent coats.

2 CURING

- Each coat should be kept moist by spraying with water 4 to 5 times a daily. The finish coat should be cured for a minimum of 3 days.
- The plaster must be protected from direct exposure to sun, wind and rain during the entire application and curing process.
- For application to lightweight blocks, micro silica modified concrete, curing compounds, any special additives or building materials consult Pidilite Middle East technical department.
- Allow the surface to dry for 14 days prior to application of decorative finishes.

Note:

- Rendering may be affected by the combined action of wind, sun and rain, hence protective measures should be taken during application by shading and sheeting.
- Pidilite Middle East will not be held responsible for any claim arising out of non-performance of the product due to any application procedure and or usage of product for non-recommended purpose.
- The application of primer/paint or textured finishes should only be carried out when the plaster is completely hardened and free from moisture.
- Dr Fixit Uniplast SP 1105 can be directly applied over concrete blocks. However over AAC blocks, it will be applied as a splatter dash coat prior to finish coat.
- For smooth concrete surface areas like beams, columns, ceilings and walls, Dr Fixit Unicoat RC 2000-rush coat is recommended prior to plaster application for an improved mechanical bonding.
- Consult Pidilite Technical Department for method statement and further queries.

Technical Information (Typical properties @ 25 ± 2° C & 50 %R.H)

PROPERTIES	RESULTS
Physical Nature	Premix plaster
Binder	Ordinary Portland Cement.
Aggregate size range	0- 2 mm
Mixing Ratio	7 - 7.5 liters per 50 Kg bag.
Density	Dry - 1.60 ± 0.05 Kg/L, Wet 1.70 ± 0.05 Kg/L
Compressive strength	>4 N/mm ² @28 Days
Flexural strength	>1 N/mm ² @ 28 Days
Specification	BS 5262, 5492, 4551, BSEN 998-1, DIN 18550 standards

TEST	METHOD	UNIT	RESULT
VOC Content	USEPA 24	g/L	< 0.1
Form aldehyde Content	ENV 717-1	mg/kg mg/m ³	< 0.1 < 0.01
Asbestos Content	USEPA 600/R-93/116	-	No known species of asbestos minerals are present

Note: Test results are based on laboratory conditions and actual site results will depend on quality of application and curing regime.

Theoretical Coverage

Approximately 41 ± 1 m²/ ton @ 15 mm

(The exact yield and coverage depend on local and ambient condition and have to be determined on site)

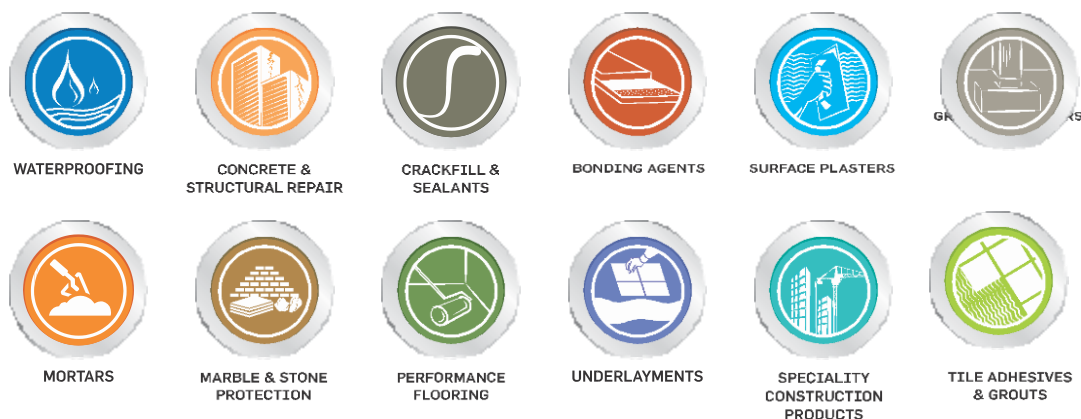
Storage

When stored in dry conditions in original unopened packaging this product has a shelf life of 12 months. Storage above 35°C and high humidity (above 50 %) will reduce shelflife and product performance.

Health and Safety

This products contains cement. And contact with skin may cause irritation. It should not be inhaled, and a properly designed and maintained face mask should be used whilst handling, pouring and mixing the powder. Avoid contact with the product by working carefully, using a barrier cream and wearing protective gloves. If any contact does occur, wash thoroughly with soap and water. Use eye protection. Avoid contact with eyes, if such contact occurs irrigate with water for 20 minutes and seek medical advice. If mistakenly ingested, drink plenty of clean water and seek medical advice. See MSDS for further information.

DR. FIXIT offers a wide range of Structural Protection and Waterproofing systems:



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