

Proplast RC50

Cementitious key coat plaster for exterior and interior application



Description

Proplast RC50 is a polymer modified, ready mixed cement based key coat plaster, consists of blend of Portland cement, well graded aggregate and special polymers that when mixed with water produces an excellent bonding layer between plaster and common building substrate.

Applications

Key bonding agent between plaster and smooth substrates including old cementitious plaster, normal blocks, lightweight AAC blocks and fairfaced concrete internally and externally.

Advantages

- ▲ Good bonding agent between cement based substrates and newly applied cement based plaster.
- ▲ Easy to apply, single component, requires only addition of water.
- ▲ Suitable for internal and external application.
- ▲ Cost effective.

Standards

Proplast RC50 complies with ASTM C150, ASTM C897 and application standard ASTM C926.

Method of Use

Substrate Preparation

Substrate must be clean and free from oil, grease, dust and laitance.

The substrate must be soaked with clean water before the application of Proplast RC50.

Mixing

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.

4.5 - 5.5 litres of clean water for each 25 kg bag or 9.0 - 11.0 litres for each 50 kg bag should be added to clean container.

The powder is then added slowly to the water while mixing continuously with low speed mixer/drill (400 - 600 rpm).

Technical Properties @ 25°C. w/p = 0.20

Colour:	Grey
Fresh wet density:	2.1 ± 0.1 g/cm ³
Maximum aggregate size:	4.0 mm
Working time:	60 min
Initial set:	3 hr
Final set:	24 hr
Compressive strength: ASTM C109/109M-02	≥ 10 MPa @28 days
Bond strength: BS EN 1542	
Normal concrete*	≥ 0.9 MPa
Fairfaced concrete*	≥ 0.8 MPa
Normal concrete blocks	Substrate failure
AAC blocks	Substrate failure
VOC:	< 10 g/ltr

** The failure pattern on concrete surfaces is a combination of substrate and plaster failure*

Application

Apply the Proplast RC50 by hand, using a tyrolean box or a power spray gun.

Curing

As Proplast RC50 is a cementitious based material, it should be cured in a similar manner to cement base materials. Soak the applied surfaces with water 2 – 3 times a day after setting.

Cleaning

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically.

Packaging

Proplast RC50 is available in 25 and 50 kg bags.

Don Construction Products - Jordan

Showroom (1):
Khalda Street, Al-Darraas Building # 276

Showroom (2):
AlHurriyah Street, Near Alhamaidah Circle,
Building # 66



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Yield

5.5 kg/m² for 3 mm thickness. However, the consumption is depending on the application method and the substrate finish.

Storage

Proplast RC50 has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C in original unopened bags.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and safety

Proplast RC50 may cause irritation to skin or eyes.

In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice if necessary.

For further information refer to the Material Safety Data Sheet.

Fire

Proplast RC50 is nonflammable.

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- ▲ Surface treatments
- ▲ Grouts and anchors.
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Note:

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