

# Cemcoat Putty

Water resistant, high performance cementitious skim coat and smooth putty plaster for internal and external applications



## DESCRIPTION

Cemcoat Putty is a polymer modified cementitious skim coat, smooth finishing and wall putty plaster specially designed to be over painted by decorative paints in internal and external applications.

Cemcoat Putty composed of unique composition of cement, limestone, dry powders, selected polymers and special hydrophobic additives which when mixed with water produces a creamy paste suitable for plastering and filling small cracks and pinholes on vertical and overhead surfaces in dry or humid conditions.

## APPLICATIONS

Cemcoat Putty is designed to withstand humid conditions and moisture internally and externally when applied in different applications such as:

- » Skim coat and smooth putty over fairfaced concrete and cement based plaster to provide a smooth surface ready to be painted.
- » Filling small cracks, scratches and pinholes.

## ADVANTAGES

- » Provides an excellent protection for the decorative painting layer against moisture.
- » High resistance to weather conditions.
- » Low absorption to water.
- » Shrinkage controlled cementitious plaster.
- » Easy to apply, provides a smooth surface that can be easily hand sanded
- » One component, requires only addition of water.
- » Thixotropic properties, suitable for vertical applications.
- » Easily applied by trowelling.
- » Easily applied by scraper or putty knife.

## METHOD OF USE

### SUBSTRATE PREPARATION

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

### PRIMING

Normally no primer is required for the application of Cemcoat Putty. However, areas to be plastered should be soaked with clean water before applying the plaster, except for gypsum and plaster boards.

## TECHNICAL PROPERTIES. W/P RATIO = 0.4:

Colour:	White or grey
Fresh wet density:	1.6 ± 0.1 g/cm <sup>3</sup>
Application thickness:	Up to 3 mm
Bond strength: ASTM D4541	≥ 1 MPa @ 28 days
Compressive strength: ASTM C109	≥ 10 MPa @ 28 days
Flexural strength: ASTM C348	≥ 3 MPa @ 28 days
Working time:	60 - 120 min
Final setting time: ASTM C191	8 - 9 hr

## MIXING

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

7.8 - 8.2 litres of clean water for each 20 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). Mixing time should be continued until uniform consistency is obtained. Leave the mix for 5 minutes and stir again.

## PLACING AND FINISHING

The suitable thickness of application is up to 3 mm per coat using stainless steel scraper or putty knife. If higher thickness is required another layer should be applied after the first layer has initially set. At higher applied thicknesses, small hair cracks may appear.

After full drying (24 hours), the surface should be smoothed using fine sand paper.

## REMARKS

- » In cases where moisture is anticipated in the substrate, and to prevent the subsequent coat from peeling off Cemcoat Putty, the subsequent coat should be a breathable coating such as water based epoxy coatings or emulsion paints.
- » Although Cemcoat Putty is water resistant, it is not designed to prevent negative water pressure. In such cases a cementitious waterproof coating such as "Setseal B" should be applied before applying Cemcoat Putty.

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## CLEANING

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

## PACKAGING

Cemcoat Putty is available in 5, 20 and 25 kg bags.

## YIELD

Approximately 17.5 litres per 20 kg bag, which is 17.5 m<sup>2</sup> per 20 kg bag @ 1 mm thickness.

## STORAGE

Cemcoat Putty has a shelf life of 18 months from date of manufacture if stored at temperatures between 5°C and 35°C in original unopened bags.

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

## CAUTIONS

### HEALTH AND SAFETY

Cemcoat Putty 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

Cemcoat Putty is nonflammable.

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- » Protective coatings.
- » Sealants.
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- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.

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