

# Cemfair Smooth

Cementitious skim coat and smooth putty plaster for internal applications



## Description

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

Cemfair Smooth composed of unique composition of cement, limestone, dry powders, selected polymers and special additives which when mixed with water produces a creamy paste suitable for smoothing and filling hairline cracks and scratches on vertical and overhead surfaces in dry or humid conditions.

## Applications

- ▲ Skim coat and smooth putty over fairfaced concrete and cement based plaster to provide a smooth surface ready to be painted.
- ▲ Filling hairline cracks and scratches.

## Advantages

- ▲ 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 scraper or putty knife.
- ▲ Easily sanded to a smooth surface.

## 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 Cemfair Smooth. However, areas to be plastered should be soaked with clean water before applying the plaster, except for gypsum and plaster boards.

## Technical Properties:

Colour:	White and grey
Fresh wet density:	1.7 ± 0.1 g/cm <sup>3</sup>
Working time:	90 - 150 min
Application thickness:	Up to 2 mm
Compressive strength:* ASTM C109/C109M	≥ 6.5 MPa @ 28 days
Flexural strength:* ASTM C348	≥ 3 MPa @ 28 days
Bond strength: ASTM D4541 EN 1542	≥ 0.8 MPa @ 28 days
Abrasion resistance: (1000 g, 500 cycles) ASTM D4060, weight loss CS17 wheel	2.5 g @ 28 days

*\*Note: dry cure for compressive and flexural strengths.*

## Mixing

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

7.4 - 7.8 litres of clean water for each 20 kg bag should be added to a clean container. The powder should then be added slowly while mixing continuously at 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 2 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 using wet on wet technique. At higher applied thicknesses, small hair cracks may appear.

After drying, the surface can be smoothed using fine sand paper

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## Cleaning

All tools should be cleaned immediately using clean water, hardened material should be cleaned using proper mechanical means.

## Packaging

Cemfair Smooth is available in 20 kg bags.

## Yield

Approximately 16.5 litre per 20 kg bag, which is enough to cover 16.5 m<sup>2</sup> per 20 kg bag @ 1 mm thickness.

## Storage

Cemfair Smooth has a shelf life of 12 months from date of manufacture if stored at temperatures between 5°C and 35°C in original unopened bags.

If these conditions are exceeded, contact DCP Technical Department for advice.

## Cautions

### Health and Safety

Cemfair Smooth 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

Cemfair Smooth is nonflammable.

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#### Note:

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