

# Cemfix RTL

Cementitious ceramic tile adhesive with good adhesion strength for indoor applications



## Description

Cemfix RTL is a premixed normal grade cementitious tile adhesive which when mixed with water produces an easily workable interior tile adhesive suitable for bonding ceramic tiles on floors and walls.

## Applications

- ▲ For permanent fixing of ceramic tiles.
- ▲ Suitable for bathrooms, kitchens and wet areas.
- ▲ Non sag, can be used for vertical walls and floors.

## Advantages

- ▲ Good open time.
- ▲ Water resistance, will not be affected in wet areas.
- ▲ Ready mixed, just requires the addition of water.
- ▲ Non sag.
- ▲ Good bond strength.

## Limitations

Do not use for:

- ▲ Not suitable for external use.
- ▲ Not suitable for applications where underfloor heating systems are installed.
- ▲ Not suitable for continuously submerged conditions.

## Standards

Cemfix RTL complies with ANSI A118.1 "Standard Specification for Dry-Set Portland Cement Mortar".

## Method of Use

### Substrate Preparation

All surfaces must be clean and free from oil, grease or loose materials. Substrate should dimensionally stable. Allow time for shrinkage and structural strain movements.

### Priming

Cemfix RTL can be applied directly on concrete, cement plaster, screed and cement or lime mortar. Prime gypsum boards with Keybond 2000 diluted with water at a ratio of 1:2 by volume.

### Technical Properties. W/P = 0.28:

Fresh wet density:	1.85 ± 0.1 g/cm <sup>3</sup>
Pot life:	2 hr @ 25°C
Open time: EN 1346:2007	≥ 0.5 MPa @ 10 min
Initial adhesion strength: EN 1348:2007	≥ 0.5 MPa
Shear strength to impervious tile: ANSI A118.1, 5.2.4	> 10.5 kg/cm <sup>2</sup> @ 28 days
Shear strength to impervious tile after water immersion: ANSI A118.1, 5.2.3	> 7 kg/cm <sup>2</sup> @ 7 days
VOC: ASTM D2369	< 10 g/ltr (comply with LEED)

## Joints

Tiles should not be placed over expansion or contraction joints. Stop tiles on joint edges and fill joints with flexible sealant.

## Mixing

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

5.4 - 5.8 litres (for each 20 kg bags) of clean water should be added to a clean container. The powder is then added slowly to the water while mixing continuously with low speed mixer/drill (400 - 600 rpm). Mixing should be continued for 3 minutes until a uniform consistency is obtained.

## Application

- ▲ Spread to a uniform thickness of 2 - 5 mm.
- ▲ Comb horizontally.
- ▲ Place tiles firmly over the applied area.
- ▲ Do not apply large areas of adhesives that cannot be covered within the open wet time of the adhesive.



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## Cleaning

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

## Packaging

Cemfix RTL is available in 20 kg bags.

## Yield

Approximately 6.9 m<sup>2</sup>/20 kg bag @ 2 mm thickness.

## Storage

Cemfix RTL has a shelf life of 12 months from date of manufacture if stored at temperatures between 2°C and 50°C.

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

## Cautions

## Health and Safety

As Cemfix RTL contains Portland cement and sand, Cemfix RTL 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

Cemfix RTL is nonflammable.

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### Note:

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