



# CMI TILEFIX 181



## DESCRIPTION

Water-resistant cement-based tile adhesive for fixing ceramic glazed tiles for both floors and walls for internal applications. It can also be used for external areas or fixing homogenous vitrified tiles, glass mosaic and natural stones when mixed with CMI Mortar Admix 380.

## USES

Fixing of ceramic tiles, glass mosaic, stones onto concrete slab, screed / render, RC walls, blockwall. For other areas not specified, please consult CMI Technical Representatives for more information.

## TECHNICAL DATA

Appearance	: Grey / White Powder
Bond Strength @ 28 days	: $\geq 0.5 \text{ N/mm}^2$
Open Time	: 1400 - 1450 $\text{kg/m}^3$
Wet Density	: 1250 - 1300 $\text{kg/m}^3$
Dry Density	: Approx. 1-1.5 hours
Pot Life @ 30°C	: 3-6mm per coat
Mixing Ratio	: Approx. 24% water on dry material

## SURFACE PREPARATION

All surfaces must be sound, clean and free from dirt, dust, grease and other contaminants which will inhibit proper bonding. Damp the substrate for dry, heated or high absorbing substrates prior to application of CMI TileFix 181.

## MIXING

Add 25kg bag of CMI TileFix 181 to approximately 6.0 - 6.5 litres of clean water (Do not add cement into the mixture). Mix thoroughly for 3-5 minutes using mechanical mixer until the homogenous paste is achieved and lump-free. Allow mixture to stand for 5 minutes and re-stir before use. Re-mix if the mixture is left unattended for more than 30 minutes.

## APPLICATION

- Soaking of tiles in water is unnecessary. However, if the backs are dusty, they should be wiped with clean damp cloth.
- Spread the adhesive onto substrate using notched trowel not more than 1 sq m at a time or at arm's length. The suitability of notched trowels depends on size of tiles.
- Press tiles firmly into position immediately with a twisting action.
- The open time in normal temperature and humidity is 20 minutes. However in unfavorable weather conditions e.g. strong sun, windy, high temperature, or highly absorbent substrates may shorten the open time to just few minutes. Touch adhesive ribs periodically and if a skin has formed, re-trowel the adhesive to break the skin.
- Lift tiles occasionally to check that adequate contact between tile & adhesive bed is maintained and that there are no hollow areas.
- Leave minimum joints of 2mm for wall tiling & 3mm for floor tiling.
- Remove surplus adhesive from tile surface & joints with a damp cloth.
- Allow 24 hours drying time before grouting.

## COVERAGE

Approx. 2.5 -3.0  $\text{kg/m}^2$  at 3 mm bed thickness  
Approx. 5.0 – 6.0  $\text{kg/m}^2$  at 6 mm bed thickness  
Approx. 10.0 – 11.0  $\text{kg/m}^2$  at 10 mm bed thickness

## PACKAGING

Available in 25 kg bag

## SHELF LIFE & STORAGE

Six (6) months when stored in cool and dry condition.

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