CMI® MULTIFIX 188

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DESCRIPTION

CMI® MultiFix 188 is an environmentally friendly polymer modified water-resistant cement-based tile adhesive for fixing ceramic glazed tiles, homogenous vitrified tiles and stones for both floors and walls for internal and external applications. It is certified with Singapore Green Label by Singapore Environment Council.

It is classified as **C2TE** in accordance to EN12004.

USES

- Cementitious Tile Adhesive for fixing small to medium size ceramic, homogeneous, porcelain tiles and stones onto concrete slab, screed / render, RC walls, block wall.
- For other areas not specified, please consult **Nippon Paint / CMI®** Technical Representatives for more information.
- IT SHOULD NOT BE USED ON SKIM COATED OR PAINTED SURFACES.

ADVANTAGES

- Single-component, premixed with good and consistent quality.
- Pre-packed, user friendly, just need to mix with water and apply.
- Improved bonding strength to suit for both porous and non-porous tiles application.
- Enhance with reduced slip performance, make it suitable for not only floor tiling but wall tiling as well.
- Designed with extended open time for longer adjustability up to 30 minutes.
- Eco-friendly cementitious tile adhesive, certified with Singapore Green Label by Singapore Environment Council.

Product Type	Product Code	Pack Size	Color	Substrate
Cementitious Tile Adhesive	188	25kg & 40kg	Grey, White	Concrete, block, screed/ render

Technical Data

Appearance	Grey / White Powder
Bond Strength @ 28 days	≥ 1.0 N/mm²
Open Time	30 minutes (depending on ambient temperature or conditions)
Wet Density	1400 – 1450 kg/m³
Dry Density	1250 – 1300 kg/m³
Pot Life @ 30°C	Approx. 1 – 1.5 hours
Mixing Ratio	Approx. 25% water on dry material

Recommended Total Coating & Construction System

TILING SYSTEM

(I) Interior Areas (*i.e., Living room / Bedroom / Toilet)*

TILE ADHESIVES	TILES TYPE	TILE SIZE	BEDDING THICKNESS
CMI® MultiFix 188	Ceramic Tiles (High water absorption)	≤ 300mm x 300mm *(Small-size)*	3-6mm thick
	Homogeneous / Porcelain Tiles (Low water absorption)	≤ 600mm x 600mm *(Up to medium-size)*	6-8mm thick

(II) Exterior Areas (*i.e., Car porch / Balcony / Walkway)*

TILE ADHESIVES	TILES TYPE	TILE SIZE	BEDDING THICKNESS
CMI® MultiFix 188	Homogeneous / Porcelain Tiles (Low water absorption)	≤ 300mm x 300mm *(Small-size)*	3-6mm thick
		≤ 600mm x 600mm *(Up to medium-size)*	6-8mm thick

Note:

- The table above is limited to wall tiles only, floor tile size can be varies.
- All grouting joints up to 3mm to be filled with **CMI® TILE JOINT FILLER**.
- Kindly refer to the respective technical datasheet for more information.
- For areas not specified, please consult **Nippon Paint** / **CMI®** Technical Representatives for more information.

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® MultiFix 188**.

Mixing

Add 25 kg bag of **CMI® MultiFix 188** to approximately 6.25 – 6.75 litres of clean water (Do not add cement into the mixture) OR mix 40 kg bag of **CMI® MultiFix 188** to approximately 9.5 – 10.5 litres. 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 doth.
- 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 hollows 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 kg/m² at 3mm bed thickness
Approx. 5.0 – 6.0 kg/m² at 6mm bed thickness
Approx. 10.0 – 11.0 kg/m² at 10mm bed thickness

Cleaning

Clean up equipment with water immediately after use.

Safety Precautions

- Wash thoroughly after handling. Do not eat, drink or smoke when using this product.
- Wear protective gloves/protective clothing/eye protection/face protection.

- Avoid inhaling dust during handling or mixing of products.
- Use only in well-ventilated area.
- In case of inadequate ventilation wear respiratory protection. In case inhaled, remove patient to fresh air and allow to rest.
- In case swallowed, do not induce vomiting. Rinse mouth clear with water and drink two glasses of water.
- In case contact with eye, immediately rinse with plenty of water and seek medical advice.
- Remove splashes from skin by using soap or water.
- Products must always be stored in a cool, dry and well-ventilated area.
- When transporting products, care must be taken. Always keep products dry and avoid generating or accumulating dusts during handling.
- Disposal of product should always comply with local and national regulations.

Shelf Life & Storage

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

Note

The information provided on this datasheet is not intended to be complete and is provided as general advise only. It is the user's responsibility to ensure that the product is suitable for its intended purpose. As we have no control over the treatment of the product, the standard of surface preparation, or other factors, we are not responsible for any damages or injury, including but not limited to special or consequential damages which may result from the use of our products, which includes any damages or injury caused by any failure of performance. The information contained in this datasheet may be modified by us from time to time, without any notice arising from our continuous product development activities.