

CMI® TILECRETE 182

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DESCRIPTION

CMI® Tilecrete 182 is an economical water-resistant polymer modified cement-based fine (unsanded) grout for pointing of tile joint for both floors and walls at internal and external area. It is suitable for grouting joints up to 3 mm wide only and is available in only grey and white colors. It requires mixing with clean water only. However, it can also be used with **CMI® Latex Admix 380**, a liquid emulsion polymer to enhance its physical properties.

USES

- Cementitious Tile Grout used as grouting or pointing joints between ceramic glazed tiles, homogenous vitrified tiles, porcelain tiles, mosaics, quarry tiles, terracotta, marbles, granites, slates, terrazzo, brick veneer, decorative stones etc.
- Suitable for tile grouting joints up to 3mm wide.
- Suitable to be used at dry areas i.e., living room, bedroom, etc. and wet areas i.e. bathroom, shower, wet kitchen etc., as well as exterior areas i.e. balcony, car porch, etc.
- For other areas not specified, please consult **Nippon Paint / CMI®** Technical Representatives for more information.

ADVANTAGES

- Single-component, premixed with good and consistent quality.
- Pre-packed, user friendly, just need to mix with water and apply, and easy clean up after application.
- Good water resistance, abrasion resistance and crack resistance.

| Product Type | Product Code | Pack Size | Finishing | Color | Substrate |
|-------------------------|--------------|-----------|-----------|--------------|----------------------------|
| Cementitious Tile Grout | 182 | 25kg | Unsanded | Grey / White | Tile joints up to 3mm wide |

Technical Data

| | |
|-----------------------------|------------------------------------|
| Appearance | Powder form in Grey / White |
| Wet Density | 1600 – 1700 kg/m ³ |
| Dry Density | 1250 – 1300 kg/m ³ |
| Setting Time | 24 hours |
| Pot Life @ 30°C | Approx. 1 hours |
| Water Absorption | 5.00% at ½ hours; 5.50% at 4 hours |
| Shrinkage Value | 0.06% at 72 hours |
| Flexural Strength | 8.50 N/mm ² |
| Compressive Strength | 31.00 N/mm ² |
| Mixing Ratio | Approx. 42% water on dry material |

Recommended Total Coating & Construction System
TILING SYSTEM

| TYPES | PRODUCT NAME | NOMINAL THICKNESS |
|-------------------|--|--|
| Tile Adhesive | : CMI® TileGrip 185 / MultiFix 188 / TileFix 181 / RapidFix 183 / Great Bond TB111 / Great Bond TF333 / Great Bond TG777 | <i>(Subject to respective class and thickness)</i> |
| Tiles | : as per specification | |
| Tile Grout | : CMI® TileCrete 182 | Up to 3mm joint width |

Note:

- 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 joints must be sound, clean and free from dirt, dust, grease and other contaminants which will inhibit proper bonding. Damp the substrate for heated or high absorbing substrates prior to application of **CMI® Tilecrete 182**. Allow adhesive bed to set for at least 24 hours before grouting with exception when fast setting adhesive was used.

Mixing

Mix 25 kg bag of **CMI® Tilecrete (182)** with approximately 10.0 - 10.5 litres of clean water or **CMI® Latex Admix 380** with 1:1 dilution with clean water. Mix thoroughly for 3.5 minutes using mechanical mixer until the homogenous paste is achieved and lump-free. Re-mix the mixture is left unattended for more than 30 minutes.

Application

- Apply grout into joint using a rubber squeegee in perpendicular direction ensuring joints are fully compacted with grouting materials.
- Apply to small areas at a time and clean excess or residue grout promptly using damp cloth or sponge before it dries out.
- When grout is sufficiently firm, clean the tile surface with dry cloth to remove grout haze.
- Allow grout to set for at least 24 hours.

NOTE:

- *Colour pigments in coloured grout may stain or discolour certain tiles or natural stones. Therefore, a trial should be conducted to determine the suitability and compatibility before actual application commences.*
- *Certain colour may not be stable when exposed to external conditions. Please contact our Technical Department when making colour selection.*
- *Discolouration or efflorescence may occur under external weather condition in prolong exposure which is a natural phenomenon.*

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.

Coverage

| Tile Size (mm) | Joint Width (mm) | Approx. Coverage (kg/m ²) |
|----------------|------------------|---------------------------------------|
| 20 x 20 x 4 | 2 | 1.20 |
| 50 x 50 x 4 | 3 | 0.50 |
| 100 x 100 x 6 | 3 | 0.60 |
| 100 x 100 x 10 | 3 | 0.90 |
| 150 x 150 x 6 | 3 | 0.40 |
| 200 x 200 x 8 | 3 | 0.38 |
| 250 x 250 x 12 | 3 | 0.80 |
| 300 x 300 x 8 | 3 | 0.27 |
| 250 x 330 x 8 | 3 | 0.30 |
| 300 x 600 x 10 | 3 | 0.30 |
| 450 x 450 x 12 | 3 | 0.40 |
| 600 x 600 x 12 | 3 | 0.30 |

Cleaning

Clean up equipment with water immediately after use.

Shelf Life & Storage

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

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.