

CMI® FLOORSCREED 085

Updated June'23



DESCRIPTION

CMI® FloorScreed 085 is a specially blended premixed floor screed comprising of Ordinary Portland Cement, graded sand and chemical additives to meet stringent requirements. It is easy to apply and useful for levelling rough and uneven floors. It is certified with Singapore Green Label by Singapore Environment Council.

CMI® FloorScreed 085 is easy to use by adding water to mix on site and is ideal for casting onto new or old concrete floor internally or externally.

USES

- Floor Screed for levelling rough and uneven concrete substrates, or to repair worn-out substrates in residential or commercial industrial floors.
- Suitable to be used at interior and exterior. The cured **CMI® FloorScreed 085** is also suitable to receive various types of tiles.
- IT SHOULD NOT BE USE ON PAINTED SURFACES.

ADVANTAGES

- Premixed with good and consistent quality.
- User friendly, just need to mix with water and apply.
- Pre-packed for convenience handling and transportation, complementing IBS construction to achieve better construction quality and less labour intensive.
- Good workability and high compressive strength with good shrinkage cracks control.
- Durable and good weather resistance.
- Eco-friendly cementitious screed, certified with Singapore Green Label by Singapore Environment Council.

Product Type	Product Code	Pack Size	Color	Substrate
Floor Screed	085	40kg	Grey	Concrete slab, metal decking, timber flooring*

*CMI® Mortar Bond 330 as primer prior to application.

Technical Data

Appearance	Grey Powder
Flexural Strength	≥ 2.0 N/mm ² (ASTM C348: 2008)
Compressive Strength	20 to 30 N/mm ² (ASTM C109: 2008)
Shrinkage (Countinho Ring)	No Crack
Water Retentivity	> 90% (BS 4551: 2005 + A1: 2010)
Bond Strength @ 28 days	≥ 0.5 N/mm ²
Wet Density	2000 – 2200 kg/m ³
Dry Density	1700 – 1900 kg/m ³
Pot Life @ 30°C	Approx. 40 minutes
Max. Aggregate Size	5mm
Recommended Thickness	15 – 50mm per coat
Mixing Ratio	Approx. 17% water on dry material

Recommended Total Coating & Construction System
FLOOR SCREEDING SYSTEM

TYPES	PRODUCT NAME	NOMINAL THICKNESS
Slurry Coat	: CMI® Mortar Bond 330 (1 part of 330: 1.5-part cement)	: 1 coat
Floor Screed	: CMI® FloorScreed 085	: 15-50mm

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 surfaces must be sound, clean and free from dirt, dust, grease and other contaminants which will inhibit proper bonding. Damp the substrate but no ponding water. For application on smooth concrete substrates, a primer coat is recommended for roughening of the receiving surface prior to screeding.

Mixing

Mix 40 kg bag of **CMI® FloorScreed 085** with approximately 6.5 – 7.0 litres of clean water (Do not add cement or lime into the mixture). Mix thoroughly for 3 – 5 minutes using site drum mixer until the homogeneous paste is achieved and lump-free. Re-mix if the mixture is left unattended for more than 30 minutes.

Application

Spread the mixture onto receiving surface evenly. Compact and finish **CMI® FloorScreed 085** using a wooden float or steel trowel where appropriate in accordance with standard practice.

Notes: In hot ambient temperature and windy environment, the screed should be protected from direct sunlight and be cured with appropriate curing compound to prevent rapid or excessive moisture loss and surface from cracking.

Coverage

Approx. 1.8 – 2.0 kg/m²/mm thick

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.

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.