

CMI® SPRAYCRETE 189

Updated June'23



DESCRIPTION

CMI SprayCrete 189 is a polymer modified water-resistant cement-based textured coating that provides textured decorative and protective profiles, suitable for both interior and exterior walls.

USES

Decorative textured coating onto a reinforced concrete wall, masonry, brick, plastering substrate, and fiber cement board. Do not apply to painted surfaces.

ADVANTAGES

- Cost effective in comparison to conventional spray tiles
- High compressive strength
- Good adhesion strength
- User friendly, just need to mix with water and use spray machine

Product Type	Product Code	Pack Size	Color	Substrate
Textured Render	189	25kg	White	Reinforced Concrete Wall, Masonry, Brick, Plastering Substrate, And Fiber Cement Board.

Technical Data

Appearance	White Powder
Tensile Adhesion Strength	≥ 0.5 N/mm ²
Compressive Strength	~20 – 25 N/mm ²
Wet Density	1600 – 1700 kg/m ³
Dry Density	1400 – 1500 kg/m ³
Recommended Thickness	2-5 mm per coat
Mixing Ratio	Approx. 23% - 25% of water on dry material
Drying Time	<ul style="list-style-type: none"> • Touch dry : 3 hours (Depending on temperature and humidity) • Hard dry : 10 hours (Depending on temperature and humidity)
No. of coats	Minimum 1 coat

Recommended Total Coating & Construction System
BRICK WALL
(I) Interior Wall System

TYPES	PRODUCT NAME	NOMINAL THICKNESS
Bricklaying	: CMI® Masonry Mortar 086	: 10mm
Plaster / Render	: CMI® Masonry Mortar 086	: 20mm
Skim Coat (Base Coat)	: CMI® Spraycrete 189	: 3-5mm
Paint (Sealer/Primer)	: Nippon Paint Interior Sealer Range	: 1 coat
Paint (Finishing Coat)	: Nippon Paint Interior Finishing Range	: 2 coats

(II) Exterior Wall System

TYPES	PRODUCT NAME	NOMINAL THICKNESS
Bricklaying	: CMI® Masonry Mortar 086	: 10mm
Plaster / Render	: CMI® Masonry Mortar 086	: 20mm
Skim Coat (Top Coat)* - <i>Optional</i>	CMI® Spraycrete 189	: 3-5mm
Paint (Sealer/Primer)	: Nippon Paint Exterior Sealer Range	: 1 coat
Paint (Finishing Coat)	: Nippon Paint Exterior Finishing Range	: 2 coats

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. Use CMI Render or CMI Non-Shrink Grout 222 for patching of surface defects exceeding 5mm. Damp the substrate for dry or high absorbing substrates prior to application of CMI Spraycrete 189 or alternatively use CMI Plaster Bonding Agent 370 as primer.

Mixing

Add 25kg bag of CMI Spraycrete 189 to approximately 5.25 – 5.75 litres of clean water (Do not add cement or lime into the mixture). Mix thoroughly for 3-5 minutes using mechanical mixer until homogenous paste is achieved and lump-free. Allow mixture to stand for 5 minutes and re-stir before transferring into suitable spraying machine. If more than one coat is required due to surface flatness, allow the underlying coat to fully cure before applying the subsequent coat. Re-mix if the mixture is left unattended for more than 30 minutes.

Application

Spray the mixture onto receiving surface using spray gun. The amount of material to be sprayed depends on the application thickness, substrate condition and type of finishing appearance. Clean up equipment with water immediately after use. Allow at least 24 hours curing before painting. Avoid painting when the moisture content and alkalinity of the walls are still high.

Coverage

Application	Coverage
• Wall	Approx. 1.0 – 2.0 kg/m ² /coat excluding wastages. It is recommended to go for actual application to estimate the practical coverage.

Cleaning
Clean up equipment with water immediately after use.
Safety Precautions
<ul style="list-style-type: none"> • 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
Twelve (12) months when stored in cool and dry condition.
Note
<p><i>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.</i></p>