

CMI® BASE MORTAR GREY EX 981

Updated Mar'22



DESCRIPTION

CMI® Base Mortar Grey EX 981 is a high-quality polymer-modified hydrophobic cement-based skim coat (top coat) that specially formulated with excellent weatherability and durability for building envelope long lasting beauty. It is a coarser base mortar, suitable to be used for exterior cement-rendered brick wall, AAC block wall and concrete surfaces. It can also be used for surface improvement, patching and general repair work on uneven wall and ceiling areas at semi-exposed and exterior applications.

USES

- Exterior Skim Coat (Top Coat) for rendered brick wall and AAC block wall, as well as concrete wall and ceiling soffits to provide excellent protection to building for long lasting beauty.
- Surface improvement for precast concrete wall and ceilings at both semi-exposed and exterior areas.
- As patching mortar to repair hairline crack and general repair works.
- Highly recommended for project with QCLASSIC / CONQUAS / BQUAS requirement.
- The surface can be further sponged to obtain elegant and consistent fine texture.
- Highly recommended to be used with **Nippon Paint's exterior paint systems** for the best compatibility and long-lasting beauty.
- 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, complementing IBS construction to achieve better construction quality and productivity.
- Good deformability and flexibility to reduce surface cracks against exterior harsh weather.
- Good water repellency and hydrophobic to reduce rainwater seepages and efflorescence phenomenon.
- Good workability, water retentivity and high adhesion, promoting good compatibility with exterior emulsion paints for building long lasting beauty.

Product Type	Product Code	Pack Size	Finishing	Color	Substrate
Skim Coat (Top Coat)	EX 981	25kg	Semi-smooth texture	Grey	Brick, AAC block, concrete

Technical Data

Appearance	Grey Powder
Adhesion Strength	≥ 0.8 N/mm ²
Wet Density	1500 – 1700 kg/m ³
Dry Density	1300 – 1500 kg/m ³
Pot Life @ 30°C	Approx. 2 hours
Recommended Thickness	3-5mm per coat
Mixing Ratio	Approx. 30% water

Recommended Total Coating & Construction System
EXTERIOR / SEMI-EXPOSED WALL SYSTEM
(I) Brick Wall

TYPES	PRODUCT NAME	NOMINAL THICKNESS
Bricklaying	: CMI® Masonry Mortar 086	: 10mm
Plaster / Render	: CMI® Masonry Mortar 086	: 20mm
Skim Coat (Top Coat)	: CMI® Base Mortar Grey EX 981	: 3-5mm
Paint (Sealer/Primer)	: Nippon Paint Exterior Sealer Range	: 1 coat
Paint (Finishing Coat)	: Nippon Paint Exterior Finishing Range	: 2 coats

(II) Block Wall / Concrete Wall

TYPES	PRODUCT NAME	NOMINAL THICKNESS
Surface enhancement* <i>- Optional</i>	: CMI® Plastering Bonding Agent 370	: 1 coat
Plaster / Render	: CMI® Render 081 SP / 082 SP / 083 SP	: 10-12mm
Skim Coat (Top Coat)	: CMI® Base Mortar Grey EX 981	: 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. Damp the substrate for dry or high absorbing substrates prior to application of **CMI® Base Mortar Grey EX 981**.

Mixing

Mix 25 kg bag of **CMI® Base Mortar Grey EX 981** with approximately 7.5 - 8.0 liters of clean water (Do not add cement or lime 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

Apply the mixture onto receiving surface using steel trowel. If more than one coat is required due to surface flatness, allow the underlying coat to achieve partial cure or touch dry before applying the subsequent coat.

Coverage

Approx. 1.3 – 1.5 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.