

**CMI® WALLSKIM**

*Updated May 2025'*



**DESCRIPTION**

**CMI® Wallskim** is a high-quality polymer modified water-resistant cement-based skim coat (top coat) for finishing on internal wall and ceilings. **CMI® Wallskim** can be used on **CMI® Base Mortar**, concrete and rendered surfaces to give a high quality smooth and non-powdery surface, suitable to receive painting or wallpaper. It is certified with Singapore Green Label by Singapore Environment Council.

**USES**

- Interior Skim Coat (Top Coat) for surface improvement on precast concrete and rendered substrate.
- Highly recommended to be used with **CMI® Base Mortar** to achieve good flatness and smoothness for project with QCLASSIC / CONQUAS / BQUAS requirement.
- Highly recommended to be used with **Nippon Paint's interior 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 good construction quality and less labour intensive.
- Good workability, water retentivity and high bonding strength, promoting non-powdery and ideal receiving surface for interior painting works.
- Eco-friendly cementitious skim coat, certified with Singapore Green Label by Singapore Environment Council.

Product Type	Product Code	Pack Size	Finishing	Color	Substrate
Skim Coat (Top Coat)	281	25kg	Smooth	White	Brick, AAC block, concrete
	281	40kg		White	
	681	25kg		Grey	
	681	40kg		Grey	

**Technical Data**

<b>Appearance</b>	White or Grey Powder
<b>Bond Strength @ 28 days</b>	≥ 0.5 N/mm <sup>2</sup>
<b>Wet Density</b>	1600 – 1700 kg/m <sup>3</sup>
<b>Dry Density</b>	1200 – 1300 kg/m <sup>3</sup>
<b>Pot Life @ 30°C</b>	Approx. 2 hours
<b>Recommended Thickness</b>	1-2 mm per coat
<b>Mixing Ratio</b>	Approx. 35% - 37% water on dry material

**Recommended Total Coating & Construction System**
**INTERIOR 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 (Base Coat)	: CMI® Base Mortar 381 / 781	: 2-3mm
<b>Skim Coat (Top Coat)</b>	<b>: CMI® Wallskim 281 / 681</b>	<b>: 1-2mm</b>
Paint (Sealer/Primer)	: Nippon Paint Interior Sealer Range	: 1 coat
Paint (Finishing Coat)	: Nippon Paint Interior Finishing Range	: 2 coats

**(II) Block Wall / Concrete Wall**

TYPES	PRODUCT NAME	NOMINAL THICKNESS
Skim Coat (Base Coat)	: CMI® Base Mortar 381 / 781 / 381 SP / 781 SP (OR) : CMI® BlockSkim 782 / 782 SP ( <i>Optional for block wall</i> )	: 2-3mm (OR) : 3-5mm
<b>Skim Coat (Top Coat)</b>	<b>: CMI® Wallskim 281 / 681</b>	<b>: 1-2mm</b>
Paint (Sealer/Primer)	: Nippon Paint Interior Sealer Range	: 1 coat
Paint (Finishing Coat)	: Nippon Paint Interior Finishing Range	: 2 coats

**INTERIOR CEILING SOFFIT SYSTEM**
**(III) Concrete Soffit**

TYPES	PRODUCT NAME	NOMINAL THICKNESS
Skim Coat (Base Coat)	: CMI® Base Mortar 381 / 381 SP / 781 / 781 SP	: 2-3mm
<b>Skim Coat (Top Coat)</b>	<b>: CMI® Wallskim 281 / 281 SP / 681 / 681 SP</b>	<b>: 1-2mm</b>
Paint (Sealer/Primer)	: Nippon Paint Interior Sealer Range	: 1 coat
Paint (Finishing Coat)	: Nippon Paint Interior 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® Wallskim**.

**Mixing**

Mix 25 kg bag of **CMI® Wallskim** with approximately 8.5 - 10 litres of clean water (OR) Mix 40 kg bag of **CMI® Wallskim** with approximately 13.5 – 15.5 litres 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 using steel trowel with minimum 2 coats of application. Allow the underlying coat to achieve partial cure or touch dry before applying the subsequent coat.

<b>Coverage</b>
Approx. 1.2 kg/m <sup>2</sup> /mm thick
<b>Cleaning</b>
Clean up equipment with water immediately after use.
<b>Safety Precautions</b>
<ul style="list-style-type: none"><li>• Wash thoroughly after handling. Do not eat, drink or smoke when using this product.</li><li>• Wear protective gloves/protective clothing/eye protection/face protection.</li><li>• Avoid inhaling dust during handling or mixing of products.</li><li>• Use only in well-ventilated area.</li><li>• In case of inadequate ventilation wear respiratory protection. In case inhaled, remove patient to fresh air and allow to rest.</li><li>• In case swallowed, do not induce vomiting. Rinse mouth clear with water and drink two glasses of water.</li><li>• In case contact with eye, immediately rinse with plenty of water and seek medical advice.</li><li>• Remove splashes from skin by using soap or water.</li><li>• Products must always be stored in a cool, dry and well-ventilated area.</li><li>• When transporting products, care must be taken. Always keep products dry and avoid generating or accumulating dusts during handling.</li><li>• Disposal of product should always comply with local and national regulations.</li></ul>
<b>Shelf Life &amp; Storage</b>
Six (6) months when stored in cool and dry condition.
<b>Note</b>
<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>