

CMI RENDER



DESCRIPTION

CMI Render is an environmental friendly, high quality polymer modified cement/sand render for application on blockwalls, brickwalls and concrete substrates at internal general area. It is specifically recommended for use as a fine textured sponge finishing for external walls and ceiling to provide an aesthetically pleasant and level wall surface. CMI Render require key coats or a layer of primer for application onto external wall or smooth concrete surfaces. It is certified Green Label by Singapore Environmental Council. CMI Render is available for thin, medium and thick application.

USES

Thin render for application onto blockwalls, brickwall and concrete substrates. Can also be used for levelling and patching works for internal and external application. *Do not use on painted surfaces.*

TECHNICAL DATA

TABLE 1

	Thin Bed	Medium Bed	Thick Bed
Appearance	Grey Powder	Grey Powder	Grey Powder
Bond Strength @ 28 days	≥ 0.5 N/mm ²	≥ 0.5 N/mm ²	≥ 0.5 N/mm ²
Wet Density	1800 – 1900 kg/m ³	1800 – 1900 kg/m ³	1800 – 1900 kg/m ³
Dry Density	1650 – 1750 kg/m ³	1650 – 1750 kg/m ³	1650 – 1750 kg/m ³
Pot Life @ 30°C	Approx. 1 hour	Approx. 1 hour	Approx. 1 hour
Max. Aggregate Size	1 mm	1.5 mm	3 mm
Recommended Thickness	3-6 mm per coat	5-10 mm per coat	10-20 mm per coat
Mixing Ratio	Approx. 17% water on dry material	Approx. 17% water on dry material	Approx. 17% water on dry material

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 Render. For application on smooth concrete substrates, a primer coat is recommended for roughening of the receiving surface prior to plastering.

MIXING

TABLE 2

	25 kg Bag	40 kg Bag
Thin Bed	4.0 – 4.5 liters of clean water	6.5 – 7.0 liters of clean water
Medium Bed	-	6.5 – 7.0 liters of clean water
Thick Bed	-	6.5 – 7.0 liters of clean water

Pour the powder into a pail of clean water according to mixing ratio as per Table 2. (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. Re-mix if the mixture is left unattended for more than 30 minutes.

CMI CONSTRUCTION MATERIAL INDUSTRY SDN BHD (422636-D)

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CMI RENDER

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.

For external walls, it can be sponged in circular motion to achieve fine textured finishing after the final coat partially set.

It is recommended to cure with water spray for the first 2 days after application in hot and dry conditions to allow for proper curing.

Note: It is recommended to apply a key coat consisting of CMI MultiFix 188 mix with CMI Mortar Bond 330 for thick bed application (>10mm thickness).

COVERAGE

Thin bed	: Approx. 1.5 kg/m ² /mm
Medium bed	: Approx. 1.6 kg/m ² /mm
Thick bed	: Approx. 1.8 kg/m ² /mm

PACKAGING

Thin bed (081)	: 25 kg and 40 kg bag.
Medium bed (082)	: 40 kg bag
Thick bed (083)	: 40 kg bag

SHELF LIFE & STORAGE

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



022-119-2544

"Eco-Friendly Building Material"

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