



S1 SUPER BOND CEMENT STRENGTHENER

ADMIXTURE TO INCREASE CEMENT STRENGTH

USES

1. Improves adhesion to existing concrete surface of buildings and civil structures for both interior and exterior cement surfaces
2. Bonding of plasterboard, homogenous tiles, ceramic tiles, marble and granite tiles
3. Improves surface finishes of wall renders and plaster and reduces hairline cracks
4. Crack Sealing to stop water seepages.

FEATURES

S1 Super Bond added into the cement mortar will

1. improve cement's workability, bond strength and mechanical properties.
2. improve waterproofing property and increase resistance to water permeability.
3. improve water retention property and increase high temperature open-time with most types of cement.

APPLICATION METHOD

A. For Masonry Block, Wall Plastering and Spalling Concrete

1. Remove paintwork or Form Release Oil thoroughly with detergent.
2. In general, no chipping to the cement surface is needed. Chipping will improve bonding by 20%.
3. Fill holes or voids and level with S1 + Cement & Sand.

PRIME COAT SLURRY (Key Coat)

1. Mix well before applying with a hard nylon brush to the surface without misses.
2. Mix Ratio: add S1 24 % by weight of Cement



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WALL RENDER

1. Trowel immediately onto the surface after 2-3 m² is applied with Prime Coat Slurry, or applying the Render at the same time. Control the thickness at 4 – 8 mm.
2. Or when S1 in the Prime Coat Slurry begins to gel and strengthen, start troweling the Render.

Mix Ratio: S1 : (Cement : Sand) / Pre- Mix : Water
0.24 : (1 : 2 to 3) : + / - as needed

WALL

- The total thickness including the Render should not be more than 2 cm (3/4").
- Thicknesses of more than 2 cm (3/4") need to be troweled a 2nd time.
- Trowel with a wood trowel for the first plaster layer.
- 2nd Plaster Layer: Metal or wood trowel can be used as per the surface finish requirement.

TEST RESULT: SETSCO 2018

SLANT SHEAR BOND STRENGTH for External use:

TESTS	HDB's Passing Criteria	WARRIOR S1 SUPER
Slant Shear Bond Strength at 14 days	Type I ≥ 2.8 N/mm ² Type II ≥ 8.7 N/mm ²	3.1 8.9
Average Bond Strength		3.1

PACKING

1 kg 5 kg 20 kg

Disclaimer:

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