



S1 SUPER BOND

BONDING AGENT, CEMENT ADMIXTURE PREMIX TO IMPROVE BONDING OF CEMENT PLASTER, FLOOR SCREED AND WALL RENDERS

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. Can be used as a **clear coating for slate tiles and stone** (excluding brick)

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

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**.

1. PRIME COAT SLURRY (Key Coat)

Mix well before applying with a hard nylon brush to the surface without misses.

Mix Ratio: S 1 : Cement
 3 : 10 *by volume*
 or 24 % *by weight of Cement*

2. WALL RENDER

- 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**.
- 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*

WARRIOR PTE LTD

Blk 17 Marsiling Industrial Estate Road 1 # 01-11 Singapore 739279

Tel: (65) 6364 5100 , 6364 5060 , 6367 3676

war99@singnet.com.sg www.warrior.com.sg





S1 SUPER BOND

BONDING AGENT, CEMENT ADMIXTURE PREMIX TO IMPROVE BONDING OF CEMENT PLASTER, FLOOR SCREED AND WALL RENDERS

3. 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 BOND
Slant Shear Bond Strength at 14 days	Type I >= 2.8 N/mm ²	3.1
	Type II >= 8.7 N/mm ²	8.9
Average Bond Strength		3.1

Disclaimer:

The information provided in this brochure is ensured to be as accurate as possible at the time of inclusion, however there may be inadvertent and occasional errors which may have slipped from our notice. Warrior Pte Ltd does not guarantee and make no representations or warranties of any kind about the information, advice and opinions provided and reserves the right to make changes and corrections at any time, without prior notice to any parties. Warrior Pte Ltd accepts no liability for any inaccuracies or omissions in its brochure and any decisions made based on information and opinions contained in the brochure is the sole responsibility of the user.

WARRIOR PTE LTD

Blk 17 Marsiling Industrial Estate Road 1 # 01-11 Singapore 739279

Tel: (65) 6364 5100 , 6364 5060 , 6367 3676

war99@singnet.com.sg www.warrior.com.sg

