



# S1 SUPER BOND

*Bonding Agent, cement admixture premix to improve bonding of cement plaster, floor screed, wall render.*

## Uses

- Improve adhesion to existing concrete surface of buildings and civil structures for both interior and exterior cement surfaces.
- Bonding of plasterboard, homogenous tiles, ceramic tile, marble and granite tiles.
- Improve surface finishes of wall render, plaster, reduces hairline crack.
- It can be used as clear coating for slate tile, stone (excluding brick).

## Features

**S 1** added into the Cement Mortar will

- Improve Cement's Workability, Bond strength and Mechanical Property.
- Improve waterproofing property, Increase resistance to water permeability.
- Improve Water Retention property, Increase High temperature open-time with most type of cement.

## Application Methods

### A. Masonry Block Wall's Plastering

- Remove paintwork or Form Release Oil thoroughly with detergent.
- In general, no chipping to the cement surface is needed. Chipping will improve bonding by 20%.
- Holes or voids should be filled and leveled with **S 1 + 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 M<sup>2</sup>** is being applied with **Prime Coat Slurry**, or apply the Render at the same time. Control the thickness at **4 – 8 mm**.
- Or when **S 1** in the **Prime Coat Slurry** begins to gel and strengthen. Start trowels the Render.

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

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## Wall

- The total thickness including the Render should not be more than **2 cm ( 3/4" )**.
- Thickness more than **2 cm (3/4")** need to be troweled a **2<sup>nd</sup> time**.
- Trowel with a Wood Trowel for the First Plaster Layer.
- **2<sup>nd</sup> Plaster Layer:** Metal or wood trowel can be used as per the surface finish requirement.

**Packing**                      5 kg-plastic pail,                      20 kg-plastic can,                      200 kg-drum.

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