

The Advanced Material

The Significant Differences...

PRODUCT DATA SHEET

Rev. 1/04.05

SURE-ADD SBR

BONDING ADDITIVE

DESCRIPTION

SURE-ADD SBR is a modified Styrene Butadiene Copolymer emulsion. To be mixed with concrete or cement to improve the bonding between old and new concrete. Addition of **SURE-ADD SBR** will improve the water and chemical resistance of concrete and cement mortar.

RECOMMENDED USES

SURE-ADD SBR is most recommended for the following:-

- Patching Repair
- Overhead and vertical repair.
- Toppings.
- Thin set mortar.
- Bonding slurry.

ADVANTAGES

- Easy to use
- Reduce permeability of concrete
- Reduce surface dusting
- Increase adhesion between old and new concrete surfaces
- Increase flexural and tensile strength
- Improve flexibility of concrete.
- Improve compressive strength of concrete.
- Non-flammable and non-corrosive

PHYSICAL DATA

Appearance : Milky White Liquid.
Solid content : 20%
Density : Approximately 1.0 kg/litre.
Flexural Strength : 14 N/mm² (*)
Bond Strength : 1.5 N/mm² (*)
Compressive Strength : 32 N/mm² (*)
Tensile strength : 4 N/mm²

(*) Result after 28 days of curing based on recommended mixing ratio.

CONSUMPTION GUIDE

	<u>Thin Flooring Screed</u>	<u>Heavy Duty Floor Screed</u>
Portland Cement (kg)	50	50
River Sand (kg)	125	62.5
3 mm Fine Aggregates (kg)	-	62.5
Clean Water (kg)	2.5	2.5
SURE-ADD SBR (kg)	15	15

APPLICATION INSTRUCTIONS

As Bonding Agent – Apply neat by brush onto concrete surface.

As Bonding Additive - Typical modified mortar mixture as follow :-

Portland Cement	45kg
Sand	136 kg
SBR Latex	9.1 kg
Clean Water	13.7 kg

Surface to be coated shall be clean and free from oil or grease. Pre-wet the surface before patching.

Mixing : Mix dry ingredient and water before adding **SURE-ADD SBR**.

Curing : **SURE-ADD SBR** is an air-cured system, no curing compound is needed. For area exposed to sunlight and heat, cover immediately with wet burlap to prevent excessive drying. The protection shall carry on for 24 hours.

Cleaning : Clean all equipment with water immediately after use.