

ALPHA SBR-40

Polymer Bonding Agent:

DESCRIPTION:

ALPHA SBR-40 is a styrene butadiene copolymer latex admixture that is designed as an integral adhesive for cement bond coats, mortars and concrete to improve bond strength and chemical resistance.

USES:

ALPHA SBR-40 improving the physical properties of cementitious mixes. Typical uses include, but are not limited to, the following:

- ◆ Bonding concrete repair mortars.
- ◆ Floor toppings and screeds
- ◆ Waterproof renders and cementitious slurries.
- ◆ Bonding agent for slip bricks, ceramic tiles, etc.

ADVANTAGES:

- ◆ Improves bond strengths to hardened concrete
- ◆ Increases durability under freeze/thaw cycling
- ◆ Resistant to de-icing salts
- ◆ Reduces cracking through increased mortar flexural strength
- ◆ Increases mortar wear resistance under rubber wheeled traffic
- ◆ Increases mortar tensile strength

APPLICATION:

ALPHA SBR-40 toppings and renders must be well-compacted on to the a thin layer of the mortar into the slurry primer and then build the mortar on to this layer, Exposed steel reinforcement should be completely encapsulated by the mortar.

TECHNICAL DATA:

Physical Properties of ALPHA SBR-40

Solids Content	40 - 45%
Weight per gal.	8.4 Lb (1 kg/liter)
pH as shipped	6 - 10
Color	White

Typical mix design and test results

Type 1 Portland:	50 kg
Sand:	150 kg
ALPHA SBR-40	10 liter
Water	6 - 8.4 liter

Compressive Strength	With	Without
ASTM C-109 2" (50mm) cubes		
	5,075psi	4,060
28Days	(35N/mm ²)	(28 N/mm ²)
Tensile Strength ASTM C-190		
	480psi	392
28 Days	(3.3N/mm ²)	(2.7 N/mm ²)
Flexural Strength ASTM C-256		
	1,305psi	1,046
28 Days	(9.N/mm ²)	(7.9N/mm ²)
Shear Bond Strength		
	2,900psi	377
28 Days	(20N/mm ²)	(2.6 N/mm ²)

Chemical Resistance: Limited chemical resistance

PACKAGING:

Supplied in
Storage Dry,
Shelf life

Hazard class

Jerry Can / Drum
Dry, frost free, out of direct Sunlight
12 months, when stores as
above
No dangerous goods. Observe
Material Safety datasheet