MORA BOND SBR

Powerful Multi-Use Adhesive for Mortar and Concrete.

Description:

- MORA BOND SBR is a versatile adhesive with a wide range of applications.
- It is latex dispersion admixture based on styrene butadiene rubber and is used for improving the properties of cement mortar and concrete, specifically with regards to bond strength to different building materials, and impermeability to water.
- Complies with ASTM C 1059.

Fields of Use:

- As an admixture for producing MORA BOND SBR slurry, which is used for bonding fresh to old concrete, cement plastering on smooth concrete surfaces, and cement screed topping on concrete flooring.
- As an admixture for producing MORA BOND SBR mortar, which is used for the repairing of concrete structures, hard wearing screed toppings high quality plastering and adhering of ceramic tiles to floors and walls.
- Diluted MORA BOND SBR can be used as dustproof and surface hardener for concrete and cement plastering surfaces.

Advantages:

- Increases the bond strength of concrete and mortar to different building materials.
- Increases the strength properties, especially tensile and bending strength.
- Increases the elasticity and reduces shrinkage cracking.
- Improves the workability and decreases the mixing water.
- Improves the impermeability of cement mortar and increases resistance to chemicals and salts when added in high dosage to get a water proofing mortar.
- Has no harmful effect.

Technical Data : (25 °C)

Colour	White
Solid content	48 ± 2%
Density	1.01 ± 0.01 kg/L
Type of latex stabilizer	Non-ionic
PH-Value	7.5 ± 0.5
Minimum film formation temp	4°C

Properties of MORA BOND SBR Mortars:

- Cement: sand is 1: 3.
- MORA BOND to water ratio is 1:1, 1:2, 1:3, 1:4, 1:5.
- Test results after 28 days.

Properties	Control	Mora Bond Sbr		Mortar	
		1: 4	1:3	1:2	1:1
Compressive strength (kg/cm2)	168	199	238	292	301
Tensile strength (kg/cm2)	12	15	18	23	28
Bending strength (kg/cm2)	28	39	46	55	59
Abrasion resistance % loss	4.2	3.4	3.1	1.9	1.5
%Water absorption	9.65	8.75	6.52	3.56	2.22
Chemical resistance 5% H2SO4	8	5	4.7	3.95	2.5
(% at change 7 days) Kerosene	4.8	3.7	2.6	1.6	1.4

Directions for Use:

MORA BOND SBR- Slurry:

- Dilute MORA BOND SBR with clean water 1: 3 and mix with cement (or cement and fine sand) and stir thoroughly to form the slurry with the required consistency, spread the bond coat over the area to be bonded. Place the topping or plastering while the bonding application is still wet.
- Consumption 0.25 kg/m2.

MORA BOND SBR - Mortar: (for screeds and repairing works)

- Add MORA BOND SBR - diluted with water 1: 4 to 1: 6 to the dry mixed mortar to form a workable paste.
- MORA BOND SBR - mortar or concrete should be applied over a wet coat of MORA BOND SBR slurry.

MORA BOND SBR - Dustproof and surface hardener

- Apply by spray or brush one coat of MORA BOND SBR diluted with water at ratio 1 :4 on the clean surface and allow to dry. Apply a second coat of MORA BOND SBR diluted with water at ratio 1 : 2
- Consumption 0.50 kg/m2.

Cleaning of Tools:

All application tools should be cleaned with water directly after use.

Safety Precautions:

- Wear gloves and goggles.
- Skin and face contamination should be washed with water and soap.
- Accidental splashes to eyes must be rinsed with clean water and then report to an specialist.
- Do not eat and smoke during use.

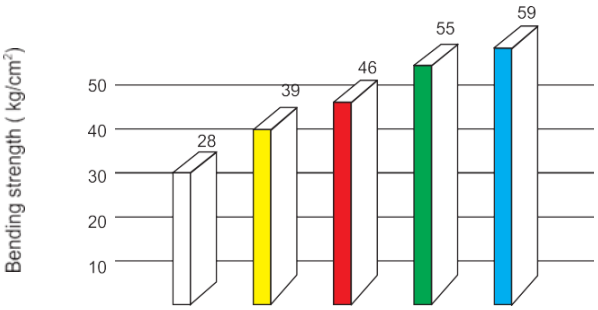
Storage / Shelf life:

2 years under suitable storage conditions and its original packing.

Packages:

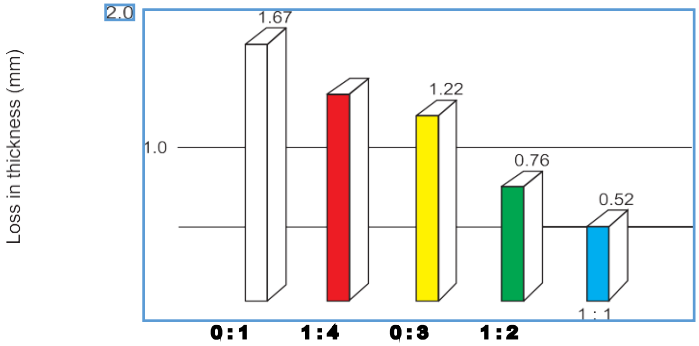
5 kg and 20 kg.

Effect of MORA BOND SBR on flexure strength of cement mortar



MORA BOND SBR : water

Effect of MORA BOND SBR on the abrasion resistance of cement morar



MORA BOND SBR : water