

TECHNICAL DATA

PRODUCT DATA SHEET

Product Name:
BLUEMAX SBR Bond (SBR Latex Based Bonding Agent)

MANUFACTURER:
BLUEMAX POLYMERS
ERODE, TAMILNADU, INDIA
info@bluemaxpolymers.com
www.bluemaxpolymers.com



Description

BLUEMAX SBR Bond is a liquid polymer based, bonding agent. It is used for increasing bonding, compressive and tensile strengths of cementitious mixes and improving resistance to chemical attack, abrasion, and water and vapor transmission. BLUEMAX SBR Bond is specially used for high strength bonding of concrete, heavy duty floors, water proof slurry coats to level and seal walls, floors, tanks or pools, resurfacing old concrete, self-leveling screeds etc. The improved work ability of BLUEMAX SBR Bond enables the concrete self-leveling, so that difficult placement can easily be made.

Instruction for use

All surfaces to be coated must be clean, sound, and free from dirt, dust and other loose particles. All oil and grease contaminant must be removed. The edges of concrete to be repaired are squared off to allow for maximum adhesion. Make sure that the exposed steel surfaces, to be coated, should be rust free before application. BLUEMAX SBR Bond is supplied ready to use, it can also be diluted with water. Dosage 0.5 Ltr-25 Liter per 50 kg cement, depending on the type of application.

PRIMARY APPLICATION

- Toppings, patches and leveling course.
- Thin Sets, terrazzo, stucco and bonding slurries.
- General reconstruction work and latex modified overlays.
- Bridge decks, highway and parking decks.

Advantages

- Adhesion improved.
- Flexural strength improved.
- Tensile strength increased.
- Water impermeability reduced.
- Shrinkage reduced.
- Non corrosive to steel.
- Increased abrasion resistance



TECHNICAL DATA

Technical Specification

Typical engineering data- Physical properties of SBR	
pH as supplied	6 – 9
Color	White
Typical mic design and test results suggested motor mix design	
Type 1 Portland cement	42.6 kg
Sand	136 kg
Bluemax SBR	7.66 kg
Water	11.4 liter



All concrete must possess an open surface texture with all curing compound and sealers removed. All areas should be pre-wetted to reduce moisture loss. Do not place product on standing water.

BONDING

For bonding toppings with this product, it is strongly recommended to use a slurry coat rather than using this product as a primer by itself.

After the surface has been prepared, prime all areas with a slurry coat before the topping is applied. Follow mixing and placing instructions listed below. Place the topping on the slurry coat before it dries out.

Mixing

Mixing procedures for topping and screeds containing SBR Bond are similar to those used to conventional compositions, with gauging water partly replaced by SBR Bond. However, mixing time should be minimized to limit air entrainment. Mixing should be carried out in a forced action mixer. The usual procedure is to pre-mix sand and cement in the mixer, pour in the SBR Bond, mix for 1 - 3 mins, then slowly add water to the required consistency. Over addition of water causes rapid thinning of latex modified mortars owing to the plasticizing effect of the latex.



PLACEMENT

Discharge material from mixer and place onto floor.

Slurry Application

Spread the slurry with a stiff bristle broom until the suggested coverage rate is achieved.

Topping Application

For patching, spread with a trowel come-along or square tipped shovel to a thickness that matches the surrounding concrete. Finish by hand trowel ling. On large floor areas, use screed strips as guides in combination with vibratory screeding to level.

Finishing

Finish the repair material to the desired texture is a broom or sponge float finish though mortars made with BLUEMAX SBR can be steel. Do not add additional water to the surface during the finishing operation.

CLEAN-UP



TECHNICAL DATA

PACKING:

Bluemax SBR is available in 200ml, 500ml, 1 liter, 5 liter, 10 liter, 20 liter, 100 liter & 200 liters.

NOTE:

All information is given in good faith on the results gained from experience and tests. However, all recommendations or suggestions are made without guarantee since we don't have any control on site conditions and its uses.

