

YASH BOND SB



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Acrylic bonding and curing agent for cement mixes and concrete repair

Description

YASH BOND SB is a one component modified acrylic liquid co-polymer specially formulated for use as a bonding agent and curing aid for cementitious concrete repair systems. YASH BOND SB is designed for maximum performance under the alkaline condition of cement mixes. Unlike PVA systems, the bond film will not hydrolyze under wet conditions and can therefore be used externally, internally and in submerged conditions.

Applications

YASH BOND SB is ideally designed for use as a primer and curing aid for YASH BOND cementitious repair systems and as a bonding aid for bonding fresh to old concrete.

Advantages

- + One component, easy to use.
- + High bond strength provides excellent adhesion when used as a bonding agent for cement based mixes and YASH BOND cementitious repair systems.
- + Suitable for use in hot areas.
- + Can be used internally, externally and for submerged conditions.
- + Can be used as a curing agent eliminating the need for water curing.
- + Outstanding water resistance.

Standards

YASH BOND SB complies with ASTM C1059-99 , Type 1 & 2, when tested in accordance with test method ASTM C1042.

Method of Use

Substrate Preparation

The substrate should be sound, clean and free from contamination. Surface laitance should be removed by light scabbling or grit blasting. Corroded steel should be fully exposed and cleaned to bright conditions by grit

blasting or by wire brush. Exposed steel reinforcements should be protected by applying one full unbroken coat of zinc rich epoxy such as YASH EPO COAT 174 and allowed to dry.

All surfaces should be pre soaked with clean water prior to applying YASH BOND SB.

TECHNICAL PROPERTIES

| | |
|--------------------------|---|
| Tensile bond strength: | > 2 MPa @ 7 days |
| COLOR | White emulsion based on modified acrylic emulsion |
| Film forming Time range: | 10 - 20 min @ 40°C 30 - 50 min @ 25°C 60 - 120 min @ 15°C |
| Curing efficiency: | > 55% |
| Density: | 1.01 ± 0.01 |
| pH: | 7 ± 1 |
| VOC: | < 15 g/ltr |

Note: Film forming time range is also affected by relative humidity and wind.

Application

1) As a priming bonding agent:

YASH BOND SB should be brushed vigorously into the pre soaked surface making sure to fill all pores and voids. Make sure to apply the repair mortar when the film is formed and it is still tacky as mentioned above.

2) As a curing aid:

YASH BOND SB can be used as a curing aid over cementitious repair mortars to prevent rapid evaporation of water. In severe hot weather conditions or in windy situation, the use of high efficiency curing agent such as YASH CURE - 8.

3) As a waterproof render:

10 kg of cement is mixed with 5 kg of YASH BOND SB and the mix has to be stirred thoroughly until no air bubbles remain in the mix and any lump found in the mix should be

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removed. If necessary, little water can be used to obtain the required consistency. The mix has to be applied by brush on rendered or prepared surfaces. Two or more coats are recommended. First coat should be allowed to air dry for 5 - 6 hours. The surface should be made wet before application in case of porous structures.

4) As a concrete repair render:

YASH BOND SB should be used as gauging liquor for mortars/screeds, maintaining the dosage of 50 kg of YASH BOND SB / 100 kg cement.

YASH BOND SB: Cleaning

All tools should be cleaned immediately after use with fresh clean water. Hardened materials should be cleaned mechanically.

Packaging

YASH BOND SB is available in 1, 5, 10, 20 and 50 kg containers.

Coverage

Approximately 5.8 m²/litre when used as a primer.

Approximately 4.6 m²/litre when used as a curing aid.

Storage

YASH BOND SB has a shelf life of 12 months from date of manufacture if stored in a shaded place at a temperature of 25°C in original unopened packaging. If these conditions are exceeded, YASH Technical Department should be contacted for advice.

Cautions

Health and Safety

YASH BOND SB should not be swallowed. Gloves and eye protection should be worn.

protection should be worn.

In case of accidental contact with eyes, immediately flush with plenty of water for at least 10 minutes and seek medical advice.

Fire

YASH BOND SB is non flammable.

More from YASH CONCHEM Products

A wide range of construction chemical products are manufactured by YASH which include:

- Concrete admixtures.
- Surface treatments
- Grouts and anchors.
- Concrete repair.
- Flooring systems.
- Protective coatings.
- Sealants.
- Waterproofing.
- Adhesives.
- Tile adhesives and grouts.
- Building products.
- Structural strengthening.

Note : We endeavor to ensure that any advice, recommendation or information we may give in product literature is accurate and correct. However, due to the fact that we have no direct or continuous control over where or how the products are applied, Yash cannot accept any liability either directly or indirectly arising from the use of Yash products, whether or not in accordance with any advice, specification, recommendation or information given by us.