



# EB550 SBR

## Liquid Bonding Admixture

### PRODUCT DESCRIPTION

EB550 SBR is a non re-emulsifiable, high solid, liquid bonding admixture for improving physical properties, cure and adhesion of Portland cement and gypsum mixes.

Composition: EB550 SBR is a milky white, emulsion of high solids, acrylic polymers and modifiers in a special formulation. EB550 SBR is non-yellowing and has excellent resistance to ultra-violet degradation, heat and most common chemicals. EB550 SBR does not alter the color of the mixture.

### FIELDS OF APPLICATION

EB550 SBR may be used above or below grade, interior or exterior and used in cement-based coatings, toppings, patches, leveling compounds, stucco, terrazzo and mortar as well as CHEM-CRETE CCC150 cementitious waterproof coating.

### PRODUCT FEATURES

- High solids.
- Improves tensile, flexural and compressive strengths.
- Increases adhesion and cohesive strengths.
- Good waterproofing and curing properties.
- Reduces shrinkage, cracking and freeze-thaw damages.
- Compatible with most common hydraulic cements, gypsum, etc.
- Non-toxic can be used in potable water tanks, etc.

### PACKAGING

| Product   | Packaging                 |
|-----------|---------------------------|
| EB550 SBR | 1 GAL (3.785 LITER) JUG   |
|           | 5 GAL (18.925 LITER) PAIL |
|           | 55 GAL (208 LITER) DRUM   |

### TECHNICAL DATA

|                  |             |
|------------------|-------------|
| Appearance       | Milky white |
| Specific Gravity | 1.01-1.03   |

### APPLICATION DATA

**Surface Preparation:** surface must be structurally sound, clean, free of dust, dirt, oil curing or form release compounds, paint, laitance, efflorescence and other contaminants. New concrete and masonry surfaces must be cured 28 days.

Provide an absorptive surface on all substrates including smooth pre-cast or formed concrete, by abrading the surface.

**Mixing:** stir EB550 SBR slowly and thoroughly using slow speed mixing equipment in a clean container.

**Gauging Liquid:** mix 1 Part **EB550 SBR** with 3 parts water.

**Bonding Slurry:** dry mix 1 Part Portland cement with 3 parts dry sand and add undiluted EB550 SBR to produce a pourable slurry coat. Brush mixture thoroughly into voids and pores of surface, to eliminate air pockets. Before slurry coat dries, follow immediately with field mixed or manufactured patching materials that are compatible with Portland cement.

### Mix Designs with EB550 SBR

#### Patching and Repair Mortar

|                     |        |
|---------------------|--------|
| Cement              | 50 kg  |
| Sharp Sand (5-8 mm) | 67 kg  |
| Sand (1.5 mm)       | 17 kg  |
| EB550 SBR           | 8 lit  |
| Water               | 15 lit |

#### Renders

|                     |        |
|---------------------|--------|
| Cement              | 50 kg  |
| Sharp Sand (5-8 mm) | 9 kg   |
| Sand (1.5 mm)       | 14 kg  |
| EB550 SBR           | 9 lit  |
| Water               | 16 lit |

#### Screeads

|               |        |
|---------------|--------|
| Cement        | 50 kg  |
| Sand (5-8 mm) | 149 kg |
| EB550 SBR     | 10 lit |
| Water         | 10 lit |

#### Bonding of Large Tiles

|                     |        |
|---------------------|--------|
| Cement              | 50 kg  |
| Sharp Sand (5-8 mm) | 67 kg  |
| Sand (1.5 mm)       | 24 kg  |
| EB550 SBR           | 15 lit |
| Water               | 6 lit  |

**Application:** use only light pressure on trowel, and finish with as few strokes as possible. Keep trowel clean and wet to prevent sticking. Mixes with EB550 SBR do not normally require curing, but it is advisable to cover with moist burlap for 24 hours. Air cure surface for 2 to 4 days for normal use, and 4 to 7 days for heavy traffic areas.

**Cautions:** do not apply mixes modified with EB550 SBR when temperature is below or expected to fall below 2°C. Do not use with air-entrained cements. Excessive moisture and high humidity will slow curing time. Air cure cisterns, tanks or pools for a minimum of 6 to 9 days before filling with water.

### CLEANING

Clean tools and equipment with water immediately following use. Clean drips, spills and smears while mix is still wet. Mixes containing EB550 SBR are extremely difficult to remove if allowed to dry before cleaning.

## STORAGE

The product should be stored in a cool, dry storage place for one year in unopened container. Stir or agitate the container before use. Do not store at temperatures below 10°C or in direct sunlight.

## SAFETY PRECAUTIONS

As with all construction chemical products, adequate precautions and care must be taken during usage and storage. Avoid direct contact with foodstuff, eyes, skin, and mouth. Keep away from children and animals. Any direct contact with skin, eyes, etc. should be washed thoroughly with clean running water and soap. Use proper safety wear, goggles, and mask, etc.

## TECHNICAL ASSISTANCE

Please contact International Chem-Crete Corporation for Technical Personnel.

## WARRANTY

**LIMITED WARRANTY:** International Chem-Crete Inc. warrants that, at the time and place we make shipment, our materials will be of good quality and will conform to our published specifications in force on the date of acceptance of the order.

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