

# HEY'DI SB

## INTEGRAL LATEX BONDING ADDITIVE FOR HEY'DI CRYSTALLINE WATERPROOFING SYSTEM

### DESCRIPTION

**HEY'DI SB** is a proprietary latex formulation added to cementitious mixes to increase the cohesive, adhesive, flexural, tensile, bond, and waterproofing properties of the mix. HEY'DI SB imparts improved protection from freeze-thaw and most mild aqueous solutions of alkalis, acids, and salts. HEY'DI SB is a proprietary formulation containing a copolymer latex emulsion. HEY'DI SB is a milky white liquid which will affect the color of gray portland cement after cure.

### PRIMARY APPLICATIONS

- Waterproofing systems
- Repair mortars
- Bonding slurries
- Floor and wall toppings
- Interior or exterior, above or below grade

### PACKAGING

HEY'DI SB is packaged in 55 gal (208 L) drums, 5 gal (18.9 L) pails and 1 gal (3.8 L) plastic bottles.

### SHELF LIFE

1 year in unopened container.

### SPECIFICATIONS/COMPLIANCES

- Complies with ASTM C1059, Type 2

### DIRECTIONS FOR USE

**Surface Preparation:** Surface must be structurally sound, clean, and free of contaminants including curing compounds, form release agents, dust, dirt, oil, paint, and old coatings. Cure new concrete and masonry surfaces a minimum of 7 days. Provide an absorptive surface on all substrates including smooth precast or formed concrete by abrading the surface. Surfaces should be Saturated Surface Dry (SSD) using potable water prior to application of mixes containing HEY'DI SB.

**Mixing:** Stir HEY'DI SB slowly and thoroughly before using. Use only potable water to blend with HEY'DI SB. Add the dry cementitious materials to the blended HEY'DI SB liquid and mechanically mix to proper application consistency. Do not aerate mix. Typical mixes include:

**HEY'DI K-11:** Positive Side Use. Blend a 1:5 ratio of HEY'DI SB to potable water, and mix with HEY'DI K-11 powder.

**HEY'DI K-11:** Negative Side Use. Blend a 1:3 ratio of HEY'DI SB to water and mix with HEY'DI K-11 powder.

**HEY'DI SB Bonding Slurry:** Blend a 1:3 ratio of HEY'DI SB to water and mix with a 1:1 ratio of cement and sand to a slurry consistency. Brush on smooth surfaces as a key coat before applying HEY'DI K-11, cementitious, toppings, or plaster coats. Slurry coat must not be tack free before toppings or cement plaster coats are applied.

**HEY'DI SB with Overlayments:** Latex modified mix designs should be tested and evaluated against the application specifications prior to use. Typically optimum properties of latex modified concrete result when the latex resin solids are 10% to 20% of the weight of the cement.

**Application:** Suggested techniques for trowel applications of mixes containing HEY'DI SB Bonding Additive:

1. Use only light pressure on the trowel, and finish with as few strokes as possible.
2. Keep trowel clean and wet to prevent sticking.
3. Do not overtrowel.
4. Do not refinish surface.



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## CLEAN-UP

Clean mixing and application equipment with water immediately after use. Clean splatters or spills with water before material sets. HEY'DI SB is a polymer bonding admixture, and when mixed with cement materials and allowed to dry on the surface, the removal becomes extremely difficult, and must be removed by mechanical means.

## PRECAUTIONS/LIMITATIONS

- Do not aerate mixes containing HEY'DI SB.
- HEY'DI SB is not recommended as direct bonding agent or bond coat.
- Patches containing HEY'DI SB will develop a green cast and will not match surrounding concrete.
- Do not apply mixes modified with HEY'DI SB to frozen or frost filled surfaces, or when temperature is below or expected to fall below 40°F (4°C), within 48 hours.
- Use sun or wind screens to protect applications containing HEY'DI SB during hot, dry, sunny or windy application conditions.
- Do not apply HEY'DI SB modified mixes when temperatures rise above 90°F (32°C), unless application is properly cured for minimum 24 hours.
- Latex modified concrete mix designs should be tested and evaluated prior to use.
- Store at 40°F to 90°F (4°C to 32°C), Keep dry and protect from sunlight. Keep lid tightly closed.
- Protect From Freezing.
- Discard any material that has frozen.
- In all cases, consult the Material Safety Data Sheet before use.

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