



TECHNICAL DATA SHEET

HEY'DI SB Integral Latex Bonding Additive

03300

CAST-IN-PLACE CONCRETE
CONCRETE

TAMMS INDUSTRIES
MARCH 2002 (Replaces 1/00)

- 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.
- USES:** HEY'DI SB is used in cementitious mixes used for waterproofing systems, repair mortars, bonding slurries and floor and wall toppings. It is used interior or exterior, above or below grade. HEY'DI SB complies with requirements of ASTM C1059, Type 2.
- COMPOSITION AND MATERIAL:** 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.
- 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. Dampen surfaces with potable water prior to application of mixes containing HEY'DI SB.
- MIXING INSTRUCTIONS:** 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 10-20% of the weight of the cement.
- APPLICATION TECHNIQUES:** Suggested techniques for trowel applications of mixes containing HEY'DI SB Bonding Additive:
 - Use only light pressure on the trowel, and finish with as few strokes as possible.
 - Keep trowel clean and wet to prevent sticking.
 - Do not over-trowel.
 - Do not refinish surface.
- CLEAN-UP INSTRUCTIONS:** 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.
- CAUTIONS:** 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 (4.5°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 (32.2°C), unless application is properly cured for minimum 24 hours. Latex modified concrete mix designs should be tested and evaluated prior to use.
- ENVIRONMENTAL AND SAFETY PRECAUTIONS: Industrial Use Only.** HEY'DI SB is a water based copolymer latex. Avoid breathing vapors or mist. Provide adequate ventilation. Product may be irritating to eyes and skin. Wear goggles or face shield, gloves, and protective clothing when necessary. Avoid splashing into eyes. In case of eye contact, flood eyes repeat-

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edly with water and call a physician or ophthalmologist immediately. **DO NOT RUB EYES!** Avoid prolonged contact with the skin. Wash hands with soap and water immediately after use, and before smoking or eating. If ingested, give water or milk, and call a physician immediately. **KEEP AWAY FROM CHILDREN AND ANIMALS.** Consult Material Safety Data Sheet for complete information. **EMERGENCY RESPONSE PHONE NUMBER: (800) 862-2667 TAMMS OR (800) 424-9300 CHEMTREC.**

10. PACKAGING: 1 and 5 gallon pails, 55 gallon drums. (Metric: 3.78l, 18.9l, 208.2l)

Storage: 40 - 90°F (4.5 - 32.2°C), Keep dry and protect from sunlight. Keep lid tightly closed. Protect From Freezing. Discard any material that has frozen.

Shelf Life: 1 year properly stored.

Freight Class: Class 55.

11. TECHNICAL SERVICE: For application procedures or surface conditions not specified above, please contact:

TAMMS INDUSTRIES
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www.tamms.com

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