

# JS Strong Bond

## Non-Remulsifiable Bonding Agent

LOT#

### PRODUCT DESCRIPTION

JS Strong Bond is a non-toxic, non-flammable, non-remulsifiable, water based polymer modified acrylic bonding agent. JS Strong Bond, when added to Portland cement and cementitious products, creates hard, tough, fast curing, and chemically resistant systems. The JS Strong Bond film, when used as a bonding agent, displays excellent adhesion and resistance to ultra violet light and heat.

### GENERAL USES

JS Strong Bond is designed to add bonding quality and strength along with improved curing for cementitious products or as an admixture to Portland cement-based mixes and toppings for patching or resurfacing.

### INSTRUCTIONS FOR USE

**Surface Preparation:** The surface must be thoroughly clean, free from dust, dirt, grease, wax, oil, or other bond inhibiting materials. Remove all unsound concrete, loose material, and foreign matter by scarifying or other mechanical means. If substrate temperature is high, surface should be moistened (damp to the touch, but no standing water) prior to any application.

**Mixing:** Mix the JS Strong Bond and water first before adding the liquid to the dry mix. Stir the mixing liquid first, place the JS Strong Bond in a clean container and then slowly add the dry mix. In cement-sand or concrete mixes, mix for a very short time (1-2 minutes). Over mixing entrains excessive air.

**Coverage:** 200-300 sq. ft. per gallon (5-7 m<sup>2</sup>/L) depending upon the surface.

**Bonding Agent:** Apply directly from the container over damp or dry surfaces with brush, roller, or sprayer, forming a thin, continuous film. Immediately apply

cementitious materials that will interlock with the structure. DO NOT allow JS Strong Bond to dry prior to cementitious product's application. Once JS Strong Bond and cement dry, the bond is unaffected by humidity or condensation.

**Bonding Admixture:** Premix sand and cement. Mix water and JS Strong Bond together at a ratio of 1:1. The blend is added to the mortar mix and blended no more than two to four minutes until proper consistency is reached.

**Concrete Overlays:** Any concrete topping over the film must be applied immediately after JS Strong Bond has been applied as a bonding agent and should be abutted to an adjacent edge. Follow PCA standards in preparing, applying and curing the concrete topping.

**Terrazzo Topping:** Use for 1/2" (1.27 cm) cement terrazzo topping, anchor T strips to slab before applying JS Strong Bond to control cracking.

**Cement cracks and joints, Portland Cement plaster bedcoats, mortar setting beds** - refer to product data sheet.

When drying is rapid, due to high temperature, rapid air movement, etc., cover surface with wet burlap. For normal use, allow surface to cure for 24-48 hours; for heavy traffic, a 4-day curing period is required.

**Cleaning:** Prior to curing, JS Strong Bond may be cleaned-up using water.

### STORAGE AND HANDLING

**Shelf Life:** When stored in a controlled environment in accordance to Jobsite Supply recommendations and left in its original unopened container, JS Strong Bond will maintain its designed performance characteristics for 12 months from date of manufacture.

**PROTECT FROM FREEZING.** Freezing may damage contents. Frozen material should be placed immediately in warm spot to thaw but direct heat should not be applied. If JS Strong Bond can be stirred to a milky homogeneous consistency, its performance may not be impaired. Do not store in temperature above 120°F.

### LIMITATIONS/WARNING

- Refer to material safety data sheet prior to use.
- Do not apply JS Strong Bond modified mixes when air temperature is below 40°F or when air temperature is expected to fall below 40°F within 48 hours.
- High humidity and excessive moisture will retard curing time of JS Strong Bond modified mixes.
- Do not use with air-entrained cement.
- Do not use where circulation of air is limited, i.e.: enclosed reservoirs.
- Do not fill cisterns, tanks, etc with water for at least 7-8 days when sealed with a coating modified with JS Strong Bond.

### TECHNICAL SERVICES

Jobsite Supply Technical Service Department provides complete product and technical support.

### PACKAGING

- 55 gallon (208 L) drums
- 5 gallon (18.9 L) pails

### KEEP PRODUCT OUT OF REACH OF CHILDREN



HIMS  
Hazard Ratings

- 0 - Least
- 1 - Slight
- 2 - Moderate
- 3 - High
- 4 - Extreme



**DANGER**  
Keep away from heat, sparks & flames. Do not cut, puncture or weld on or near empty or full containers. Do not re-use container for any purpose, until commercial clean