



# ALLIED ACRYLBOND

### DESCRIPTION

Acrylbond is a concentrated acrylic latex polymer designed for use as a bonding agent for concrete and cementitious plasters. When added to concrete mixes it imparts exceptional bonding and self-curing properties and provides the concrete with increased physical and chemical properties and freeze-thaw resistance. It also greatly reduces water absorption. These characteristics make Acrylbond ideal for interior and exterior use, above or below grade. Acrylbond can also be used with sand and cement as a bonding agent for concrete overlays.

### SURFACE PREPARATION

Concrete surfaces to receive an overlay of Acrylbond fortified topping or an overlay of concrete bonded with Acrylbond slurry must be clean and sound. Remove oil, grease, curing compounds, dirt and foreign substances. Also remove laitance and unsound concrete, preferably by sand-blasting or scarifying to a profile of at least CSP3. Flood surface of concrete with water then blow off excess water with oil-free compressed air to create a saturated, surface-dry condition.

### APPLICATION

#### 1. BONDING OVERLAYS:

- a. Roughen concrete substrate.
- b. Thoroughly saturate substrate with water and blow off excess (saturated surface dry).
- c. Mix Acrylbond slurry bond mix as follows:
  - 20L (5 gal) Acrylbond
  - 20L (5 gal) Water
  - 60Kg. (130 lb) Portland Cement
  - 30Kg. (65 lb) Sand
- d. Scrub slurry coat into substrate with stiff bristled broom (like a “barn-broom”).  
Note: Slurry mix should not be re-tempered after original set.
- e. Place concrete overlay immediately thereafter while slurry is still wet.
- f. Wet cure overlay slab as soon as final finishing operation is complete.  
(Consider Allied Micro Perf Curing Blanket for this purpose.)

} Enough to cover 47sqm (500 sq.ft)

#### 2. ACRYLBOND FORTIFIED TOPPING AND VERTICAL PATCHES:

Acrylbond can be mixed with one or two parts water and used as the mixing liquid in concrete and topping mixes. Higher proportions of Acrylbond will yield better physical properties. Unlike neat concrete bonded overlays, toppings fortified with Acrylbond should **not** be wet cured. Use a good membrane-forming curing compound applied at a rate so as to comply with ASTM C309. Polyethylene sheets can also be used however a mottled surface appearance will occur.

### NOTE

Concrete fortified with Acrylbond and Acrylbond slurry's must be allowed to dry for 5 days to achieve full polymerization. Wetting or immersion in water before complete polymerization can result in an Acrylic blush and re-emulsification.

**PRECAUTIONS**

Protect from freezing. However if product does freeze thaw slowly by letting stand at room temperature and mix thoroughly. Acrylbond will withstand five such cycles before degrading. Do not apply when air or surface temperature is below 40°F. Acrylbond should not be used in air entrained concrete or grout mixes.

**PACKAGING:**

1 L

4 L

20 L

205 L

NOTE: Seller's and manufacturers only obligation shall be to replay such quantity of the product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damaged, direct or consequential, arising out of the use or the inability to use the product. Before using, the user shall determine the suitability of the product for his/her intended use, and user assumes all risk and liability whatsoever in connection therewith.