



# insulmastic

## 3301 PRECISION BOND POLYMER BONDING

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### PRODUCT BULLETIN

#### Product Description

Precision Bond 3301 is a 18% solids content water based system containing acrylic latex polymers and special additives. It is a viscous, milky white, non- yellowing liquid which is ready for use with portland cement mixtures to improve adhesion and mechanical properties.

#### Uses

Recommended for use as a bonding agent between new to old concrete, new to new concrete, and integrally as an additive to the cement mixture. Ideal for use in thin bed mortars and tile grouts.

#### Application Instructions

All surfaces should be structurally sound and free from loose material and contaminants. Thoroughly clean surface with a high pressure washer (2000 PSI). For more severe contamination, sand blasting or chipping may be necessary. The concrete should be saturated with water but surface dry. This can be done by soaking the slab with water overnight and squeegee the excess water off prior to placing bonding agent. Mix bonding agent with sand cement mixture to form slurry

40 kilos cement: 80 kilos fine sand: 12 litres Precision Bond 3301

Add sufficient water and mix until a tomato soup like consistency is achieved, over mixing pumps in excessive air. Brush slurry into the concrete surface with a stiff bristle broom. Place concrete immediately as bonding agent will act as a bond breaker if allowed to dry. For normal use, allow surface to cure for 24 to 48 hours; for heavy traffic, a 4 day curing period is required.

#### Application Concentrations

For slurries applied before patching or overlays, use straight Precision Bond 3301. For use with pointing mortars for improved adhesion and to reduce cracking in cement plaster, use 1 part Precision Bond to 2 parts water. For overlays and toppings, use higher concentrations for fine aggregate mix and lower for larger aggregate mixes. Range is from 3 parts Precision Bond to 1 part water to 1 part Precision Bond to 2 parts water. For bonding cement no thicker than 10 mm, use 1¼ part Precision Bond to 2 parts water. Please note the above ratios are for normal conditions. where bonding is more critical, increase the Precision Bond content of the mixing liquid. In case of doubt, do a test patch.

#### Limitations

Do not apply 3301 mixtures when temperatures are below 45°F (7°C) or when temperatures are expected to fall below 45°F (7°C) within 48 hours. High humidity and excessive moisture will retard the curing time of Precision Bond mixes. PROTECT FROM FREEZING.