

# A-Z Strong Bond

## Polyvinyl Acetate Latex Emulsion



**DESCRIPTION** • A-Z Strong Bond is a polyvinyl acetate based emulsion concentrate used as a bonding agent and admixture for cement and mortar.

**USES** • A-Z Strong Bond may be used as a bonding agent for bonding new concrete to old concrete and masonry surfaces. A-Z Strong Bond may also be used as an adhesive that can bond to virtually any building material except PVA and polyethylene. As an admixture, A-Z Strong Bond enhances the strength and bonding properties of concrete, mortar, plasters and cement-based repair materials. As a surface sealer, A-Z Strong Bond improves the abrasion resistance of concrete surfaces and renders them dust free, oil, water, and grease resistant.

### ADVANTAGES •

- ✓ Economical and easy to use.
- ✓ Increases the compressive and bonding strength of concrete and mortar.
- ✓ Reduces water permeability.
- ✓ Increases chemical resistance.
- ✓ Can be used with virtually all types of cement.
- ✓ Suitable for interior and exterior applications.
- ✓ May be diluted with water or mixed with cement.

**TECHNICAL DATA** • Meets BS 5270 and ASTM C 631.

Appearance:	White, viscous liquid
Toxicity:	None
Solid Content:	50%

**COVERAGE** • Coverage will depend on surface roughness, porosity, application technique, and job conditions. As a primer, approximately 32 sq meter per gallon when undiluted with water. As an admixture, add 26-40 gallons for every cubic meter of mortar mix.

**LIMITATIONS** • Do not mix or apply if ambient temperature is expected to drop below 5°C during installation or in the proceeding 24 hours, or if rain is expected in the proceeding 24 hour period after application.. Do not allow to freeze. Do not apply over frozen surfaces, rust, water-soluble paints or peeling paint. Do not apply where hydrostatic pressure might be present. When applied as a primer, protect primer coat from dirt and other contaminants until topping is applied.

**SURFACE PREPARATION** • All surfaces must be free from oil, grease, sealers, dust, paint, form release and curing compounds. Glossy and painted surfaces must be sanded, stripped, and cleaned of all contaminants. Concrete surfaces must be free of efflorescence and accepting of water penetration in order to form a good bond. Test by sprinkling water on the substrate; water beading indicates the presence of contaminants which could cause loss of adhesion. It is recommended to roughen smooth concrete surfaces prior to installation.

**APPLICATION** • As a bonding agent/primer: Soak old surface with water, insuring surface is saturated but free of standing water. Prepare a slurry primer consisting of 1 part A-Z Strong Bond to 1 part water and 3 parts Portland cement (by volume), then scrub into surface. Alternatively, as a primer dilute A-Z Strong Bond with water in a 1:1 ratio and then apply to surface with a roller, brush or sprayer to form a thin, continuous film. DO NOT ALLOW TO DRY; apply new cement screed, plaster, or repair mortar while coating is still tacky.

As an Admixture: For heavy duty applications, add 26-40 gallons of A-Z Strong Bond for every cubic meter of concrete mix. A-Z Strong Bond may also be used for heavy renderings by adding 1 part Portland cement to 1 part washed sand and 1 part of A-Z Strong Bond diluted with water in a 1:3 ratio.

As a Sealer: Dilute A-Z Strong Bond with 3 parts water and apply by roller, brush, or sprayer.

**CLEANING** • Promptly clean all tools and equipment with clean water.

**STORAGE** • Store in dry conditions away from direct sunlight and extreme temperatures. When stored at specified conditions in original unopened packaging, shelf life is 12 months from date of purchase.

**SAFETY PRECAUTIONS** • KEEP OUT OF REACH OF CHILDREN. DO NOT TAKE INTERNALLY. Use neoprene gloves and goggles when handling. FIRST AID: Eyes – Do not rub eyes, immediately flush with fresh water and seek medical attention. Skin – Wash with soap and water. Ingestion – do not induce vomiting; seek immediate medical attention.

**PACKAGING** • 5, 35 and 55 gallon drums.

Creative Concrete Concepts

PO Box 925794, Amman 1110, Jordan; Tel +962-6-487-4078, Fax +962-6-488-9133 • PO Box 91234, City of Industry, CA 91715-1234, USA; Tel +1-909-266-0709, Fax +1-909-266-0711 • PO Box 31017, Sharjah, UAE; Tel +971-6-532-1119, Fax +971-6-532-8833