



PRODUCT INFORMATION

bonding primer 500

High performance bonding agent

Use **BONDING PRIMER 500** for approved interior installations prior to the application of Texrite's Flowrite 250 or Flowrite 250 FS products to prevent early loss of water and aid in adhesion. May also be used as an admixture to Flowrite 250 or Flowrite 50 FS powder. **BONDING PRIMER 500** must be diluted at a ratio of 1:1 (by volume) with clean, potable water. For detailed application instructions with the Flowrite 250 or Flowrite 250 FS follow instructions on the bags or product data sheets.

TEXTURE:

Free flowing white liquid.

COLORS:

White

PACKAGING:

Primer 1 gallon container, four 1 gallon/case.

BASIC USE

► Required primer for application of Texrite's Flowrite 250 or Flowrite 250 FS

AREA OF USE

Use over properly prepared floors of interior installations. Use as slurry coat mix for hard to bond-to-surfaces.

BENEFITS

► Improves bond of dry-sets mortars, cement repair patches, screeds, plaster coats, stucco and other mortar bond coats.

LIMITATIONS

► Do not use over gypsum-based surfaces, old adhesive residue, paints, over-spray paint, gypsum residue, particleboard, stripwood, plastics, vinyl, elastomeric (flexible/soft) membranes and epoxy or urethane floor coverings. These materials are considered bond breakers.

► For interior use only, install in temperature range of 40 °F to 90 °F (4 ° to 32 °C). Do not allow mortar to freeze for the first 72 hours.

► Do not use over substrates subject to hydrostatic pressure or prone to water saturation/soaking. Protect primer liquids from freezing.

INSTALLATION: PREPARATORY WORK

All surfaces to receive **BONDING PRIMER 500** must be structurally sound and not subject to temperatures between 40 °F to 90 °F (4 ° to 32 °C). Surfaces must be free of all grease, oil, dirt, dust, curing compounds, sealers, coatings, efflorescence, old adhesive residues, gypsum based underlayments and any other foreign matter. In addition, all surfaces must be interior use only and protected from exposure to water.

CONCRETE SUBSTRATES

Concrete shall be completely exposed, fully cured, free of moisture and efflorescence. Chip, sandblast or hammer out any spalled unsound

concrete. Clean off any resulting dust. Prime cleaned surface with **BONDING PRIMER 500** diluted 1 to 1 by volume with water. Apply an even wet coat of diluted primer using brush or broom. On extremely porous concrete, two applications may be required. Next, prime the clean surface with Texrite's **BONDING PRIMER 500** diluted 1 to 1 with water. Evenly paint brush, paint roller or broom wet primer to surface. Prime coat coverage will be approximate 150-200 sq ft per gallon (3.6 - 5 m sq/L). On porous concrete or rough texture surfaces, two primer coats may be required. Allow **BONDING PRIMER 500** to dry clean with no wet spots or become tacky before applying Texrite's Flowrite 250 or Flowrite 250 FS. Reapply more primer if first application is allowed to dry past 24 hours. Do not use undiluted primer or apply excessive coats of primer. Primer must penetrate concrete surfaces and should not be allowed to form thick or heavy dried film on the substrate.

PLYWOOD SUBSTRATES

Floor, framing system and subfloor panels in wood construction shall meet IRC for residential building codes or IBC for commercial building codes. Plywood surface shall be of exterior (EGP) grade and be secured rigid, non-flexing with substrate base to support product weight and occupant loading/movement. Allow an expansion gap of 1/8" to 1/4" (5 mm) between individual sheets of plywood. Fill these gaps with flexible caulking. Surface must be primed using **BONDING PRIMER 500**, diluted 1 to 1 with water. Prime coat coverage will be approximate 150 sq. ft. per gallon (3.6 m²/liter). After the primer has dried, nail or staple an approved thin, plastic lath or galvanized, corrosion-resistant coated metal lath to the floor. Next; mix, pour Texrite's Flowrite 250 or Flowrite 250 FS according to instructions and apply at no less than 1/4" (5 mm) or more than 1" (25 mm) thickness. Allow **BONDING PRIMER 500** to dry clear with no wet spots or become tacky before applying Texrite's Flowrite 250 or Flowrite 250 FS. Reapply more primer if first application is allowed to dry past 24 hours. Do not use undiluted primer or apply excessive coats of primer. Primer must penetrate concrete surfaces and should not be allowed to form thick or heavy dried film on the substrate.



OVER TILE



ROLLER APPLIED



INTERIOR
WALLS / FLOORS



OVER CONCRETE



OVER PLYWOOD

SPECIAL SUBSTRATES

Marble, terrazzo and existing ceramic tile surfaces must be well bonded to the sub-floor, cleaned of any waxes and abraded to a rough surface prior to priming. Prime the surface as described above for plywood surfaces. Blend 1-part clean water, 2-parts **BONDING PRIMER 500** then mix in 3-part of Flowrite 250 FS underlayment dry powder by volume. Metal lath is not necessary. Let dry, then apply Flowrite 250 FS as for concrete floors. Over steel surfaces, consult with Texrite's technical department to discuss the particular job conditions. DO NOT USE over particle board, plastics, vinyl, urethane or epoxy floor coverings.

EXPANSION JOINTS

Expansion joints, control joints and cold joints shall never be bridged with underlayments, setting material or tile. Expansion/movement joints shall be installed in accordance with local building codes. See TCNA handbook for detailed EJ171 specifications.

COVERAGE

Primer liquid properly diluted will cover approximately 150-200 sq ft per gallon (3.6-5m²/liter). On porous concrete or rough texture surfaces, two primer coats may be required.

CLEANING

Water is all that is needed to remove uncured **BONDING PRIMER 500**.

STORAGE LIFE

One year if kept dry in sealed containers stored and covered in dry area. Protect from freezing.

TECHNICAL DATA: BONDING PRIMER 500

Appearance:	White liquid
Texture:	Medium viscosity liquid
Weight/gallon:	8.9 lbs. (4.03 kg)
Solids by weight:	47 +/- 1%
Application:	Roll or brush

SAFETY - CAUTION: May cause eye, skin or lung injury. Contains free silica. Prolonged exposure to dust may cause delayed lung disease (silicosis). Eliminate exposure to dust. Use NIOSH approved mask for silica dust. Contains portland cement. If any cement or cement mixtures get into eye, flush immediately and repeatedly with water and consult a physician promptly. Freshly mixed cement, mortar, concrete or grout may cause skin injury. Avoid contact with skin where possible and wash exposed skin areas promptly with water.

KEEP OUT OF REACH OF CHILDREN

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