



CHEMPROBE

CONFORMAL™ STAIN WB SERIES 617

PRODUCT DATA SHEET

PRODUCT PROFILE

GENERIC DESCRIPTION 100% Acrylic Polymer

COMMON USAGE Conformal Stain WB is a penetrating, water-based masonry stain for horizontal concrete and virtually all vertical, above-grade concrete, precast, GFRC, exposed aggregate, stucco, terra cotta, brick and block masonry. The treatment does not alter the natural texture of the surface, nor significantly affect the vapor transmission qualities of the substrate. Conformal Stain WB exhibits excellent color stability, and is designed not to peel or flake when applied to a properly prepared substrate. Conformal Stain WB provides color uniformity by correcting color imperfections often found in integrally colored concrete masonry, natural stone, tilt-up and precast panels. Repels water when used on dense substrates. Conformal WB is mildew resistant and contains agents that inhibit the growth of mildew on the surface of the stain.

COLORS Conformal Stain WB is available in 20 standard colors. Custom color matching is available. Please contact your Tnemec representative.

PERFORMANCE CRITERIA Contact your Tnemec representative for specific test results.

LIMITATIONS Conformal Stain WB is not formulated for use on smooth-trowled horizontal and below-grade surfaces. It is not intended to seal visible cracks or as a substitute for repointing defective mortar joints. Conformal Stain WB must not be applied to damp or wet surfaces and is not intended to provide water-repellency on CMU and other porous substrates. Porous vertical substrates must first be treated with Prime-A-Pell H₂O if water-repellency is desired. The depth of penetration achieved is dependent upon the density of the substrate. When changing the color of a dark colored or porous substrate, two or more applications may be necessary. Do not use below grade or on a horizontal surface that may be subjected to hydrostatic pressure.

COATING SYSTEM

WATER REPELLENT PRETREATMENT Series 617 is to be applied in conjunction with Series 633 or 635 water repellent. Allow the water-repellent pretreatment to cure between 12 and 36 hours before applying Series 617. Application of Series 617 outside of this time frame may compromise water-repellency and/or adhesion properties.

SURFACE PREPARATION

CONCRETE Allow new concrete to cure 28 days. New, smooth concrete should be scarified or acid etched prior to application. Verify dryness by testing for moisture with a "plastic film tape-down test" (Reference ASTM D 4263). Should moisture be detected, perform "Standard Test Method for Measuring Moisture Vapor Emission Rate of Concrete Subfloor Using Anhydrous Calcium Chloride" (Reference ASTM F 1869). Moisture content not to exceed three pounds per 1,000 sq ft in a 24 hour period. Abrasive blast, shot-blast or mechanically abrade to remove laitance, form release agents, curing compounds, sealers and other contaminants and to provide surface profile. Large voids, bugholes and other cavities should be filled with recommended filler or surfacer (Reference SSPC-SP13, ICRI CSP3).

PREVIOUSLY COATED SURFACES A test patch is required prior to application on previously coated surfaces. Reference the latest version of Technical Bulletin 98-10.

ALL SURFACES The surface to be treated must be sound, dry and free of cracks, dirt, oils, efflorescence, paint, curing compounds and all other contaminants which may affect the performance of Conformal Stain WB. New, smooth concrete should be mechanically scarified or acid etched (horizontal only) prior to application. Fill all cracks, voids and repoint mortar joints if necessary. New concrete and mortar must be allowed to cure a minimum of twenty-eight (28) days before treatment. Previously painted surface areas should also be clean, dry and free from all dirt, grease, oils, waxes, mildew and any other surface contaminants. Remove all loose scale, chalked, cracked or peeling paint by hand scraping, sanding, wire brushing or power tool cleaning.

Shield glass, wood and other surfaces that are not intended to be treated from overspray. Any overspray should be removed immediately with mild detergent and water. Also protect asphaltic surfaces, trees, shrubs and other landscaping from overspray.

TECHNICAL DATA

VOLUME SOLIDS 28.99 ± 2.0% †

CURING TIME

Temperature	To Touch	To Recoat	Light Use	Light Traffic Bearing
75°F (24°C)	1 hour	2-4 hours	24 hours	72 hours

Curing time varies with surface temperature, air movement, humidity and film thickness. **Note:** Application of Series 617 must take place between 12 to 36 hours after application of water repellent pretreatment. Application after 36 hours may compromise adhesion of Series 617. Application at temperatures lower than 50°F (10°C) may reduce coverage rates and inhibit curing. Protect treated surfaces from rain and lawn sprinklers for 72 hours.

VOLATILE ORGANIC COMPOUNDS 0.46 lbs/gallon (55 grams/litre) †

ACTIVE INGREDIENT 100% Acrylic Polymer

PACKAGING 5 gallon (18.96 L) pails, 1 gallon (3.79 L) cans

NET WEIGHT PER GALLON 9.98 ± 0.10 lb/gal (1196 g/L) (base product) †

STORAGE TEMPERATURE Minimum 35°F (2°C) Maximum 100°F (38°C)
KEEP THIS PRODUCT FROM FREEZING.

SHELF LIFE 12 months at recommended storage temperature.

FLASH POINT - SETA >212°F (>100°C)

HEALTH & SAFETY Paint and related products contain chemical ingredients which are considered hazardous. Read container label warning and Material Safety Data Sheet for important health and safety information prior to use of this product.
Keep out of the reach of children.

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APPLICATION

COVERAGE RATES

Coverage rates are guidelines and will vary depending upon the texture of the surface and porosity of the substrate. †

Substrate	Sq. Ft./Gal.	m ² /litre
CMU (porous)	75 - 100	1.8 - 2.5
CMU (normal)	100 - 125	2.5 - 3.1
Concrete	125 - 200	2.5 - 4.9
Stucco	100 - 125	2.5 - 3.1
Precast	150 - 200	3.7 - 4.9
GFRG	150 - 250	3.7 - 6.1
Fired Clay Brick	150 - 200	3.7 - 4.9

A test application **must** be performed to determine the exact coverage rate to achieve desired performance characteristics and aesthetic appearance before beginning a job.

MIXING

Mix well prior to application. Blend or box material on projects requiring multiple containers.

THINNING

Conformal Stain WB can be diluted up to 1/2 pint per gallon with clean potable water.

APPLICATION EQUIPMENT

Apply using airless paint spray equipment, brush or synthetic roller 3/8" to 3/4". When using an airless sprayer, use a 0.015 or 0.019 fan spray tip using a minimum 2000 psi during the spray application. It is recommended to back roll the surface areas for an even application and adhesion.

SURFACE TEMPERATURE

Minimum 50°F (10°C) Maximum 120°F (49°C)

Do not apply if relative humidity is greater than 90%. Do not apply in direct sunlight when air temperature exceeds 90°F (32°C).

MAINTENANCE

None required. Life expectancy is dependent upon substrate condition, quality of application and surface use.

CLEANUP

Clean equipment after use with mild detergent and water.

† **Values will vary with color.**

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