



TOP SECRET COATINGS

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TS-670 EMCU Sealer (Elastomeric Moisture Cure Urethane Sealer)

SEALER / CRACK & JOINT FILLER

TS-670 EMCU Moisture Cure Urethane Sealer is a gun-grade elastomeric polyurethane sealant that typically requires no priming or mixing to bond. It is used for filling and sealing joints, cracks and voids in floor, wall, roof and similar structures typically in preparation for the application of a coating system. It utilizes the moisture present in the air to achieve the cure eliminating the need for mixing resin with catalyst prior to use.

This high performance one component sealant is easy to use, versatile and highly durable. The high solid content resin (96% solid) will not sag when applied to vertical and overhead surfaces and has a low shrink ratio. It will bond to most any substrate including concrete, tile, masonry, plaster, aluminum, steel, vinyl and wood. It dries and cures quickly and is acceptable in constant water immersion duty. It is low odor and low VOC.

Recommended for expansion joints, panel walls, precast units, aluminum and wood window frames, roofing, fascia, parapets, vinyl siding, water-wells, and manholes, spillways, storm drains, and other uses. The product is supplied in individual tubes for use with typical caulking guns with a suitable thrust ratio. It is available in single tubes or cases of 24 pieces per package (300ml per cartridge is 10.1 fl oz). Available colors are White TS-670-0, Limestone TS-670-1, Tan TS-670-2 and Black TS-670-3. Complies to ASTM C920 Type S, Federal specification TT-S-00230C Type II, Corp of Engineers CRD-C-541, Type II, Class A.

Product Features:

- Uses moisture present in the air to achieve the cure.
- Waterproof sealer.
- Adheres to most any surface.
- No mix formula.
- Low VOC, low odor.
- High solid content.
- Low shrink ratio.

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PERFORMANCE DATA SHEET

TS-670 EMCU Elastomeric Moisture Cure Urethane Sealant

COLOR(S): White, Limestone, tan and black.

PRODUCT TYPE: Elastomeric moisture core polyurethane sealant.

DESCRIPTION: A gun-grade elastomeric polyurethane sealant that typically requires no priming or mixing to bond. It is used for filling and sealing joints, cracks and voids in floor, wall, roof and similar structures typically in preparation for the application of a coating. A high performance one component sealant that is easy to use, versatile and highly durable. The high solid content resin will not sag when applied to vertical and overhead surfaces and has a low shrink ratio. It will bond to most any substrate including concrete, tile, masonry, plaster, aluminum, steel, vinyl and wood. It dries and cures quickly and is acceptable in constant water immersion duty.

Intended Use: Fill, seal and repair cracks, joints and voids in a wide variety of surfaces.

PHYSICAL CHARACTERISTICS

SOLIDS BY WEIGHT: 96% +/-2%

V.O.C.: 35 grams per liter

DRY HARD: 12 hours

FUNCTIONAL: 3 days

FULL CURE: 1 week

COATABLE/RECOAT: 24 hours.

SUBMERSIBLE: 10 days.

RECOMMENDED THICKNESS: 1/4" joint depth, with the depth to be at least half the joint width.

MAXIMUM DEPTH: One-half inch

CONTAINER SIZE: One cartridge is 300ml (10.1 fl oz)

COVERAGE: 1 tube @ 1/2" wide by 1/4" is approx 12 feet

PACKAGING: 24 cartridges per case

HARDNESS: 25-30 shore A (ASTM C661)

TEAR STRENGTH: 50 pli (ASTM D1004)

TENSILE STRENGTH: 350 psi (ASTM

ELONGATION AT BREAK: 800% (ASTM D412)

WATER IMERSION: Passes 10 weeks with movement cycling at 122 F (ASTM C1247)

APPLICATION TEMPERATURE: 40-90 degrees F. (service temp range -40 to 180F)

TOP COATING: Not required. This product is paintable.

STORAGE: Store at 50- - 70F, out of sunlight and moisture. Storing at high temperature will reduce shelf life.

COMPATABILITY: Do not allow uncured product to come in contact with alcohol based materials or solvent. Do not allow contact with oil based caulking, uncured, silicone sealants, polysulfides, or oil, asphalt and tar.

PRIMER: Primer not required in most applications. Substrates such as copper, stainless and galvanized steel may require primer.

LIMITATIONS: When used in areas subject to continuous water exposure, allow to cure 21 days at 70F and 50% relative humidity. Not for use in swimming pools or other submerged conditions where the sealant will be exposed to strong oxidizers. Avoid immersion service where temperatures exceed 120F. Do not apply to freshly pressure-treated wood. Pressure-treated wood must be allowed to age 6 months prior to use. Colors may vary from batch to batch. Substrate temperature must be 5 degrees above dew point at time of application. Intense chemical exposure, extreme weather conditions, UV, exposure to sodium or other lights may discolor sealant.