



S.P.E.C. TECHNOLOGIES **Spray Polyurethanes / Engineered Coatings**

(2-U-CC) 2 Component Urethane Clear Coat

DESCRIPTION: (2-U-CC) is a soil resistant, color retentive, weatherable, two component, thermosetting aliphatic polyurethane coating.

USAGE: Intended for use in areas requiring outstanding color retention and resistance to weather, soil, abrasion, oils, cleaning compounds and water. Normally used as a final coat in systems requiring outstanding gloss, non-yellowing properties and water immersion and abrasion resistance.

CONSISTENCY: Both components are free flowing water white fluids.

STANDARD COLOR: Crystal Clear.

APPLIED PRODUCT DATA

WEATHERABILITY: Color retention, gloss retention, water resistance and durability are all outstanding.

CHEMICAL

RESISTANCE:

Excellent for most chemicals. Good resistance to strong alkalis.

TENSILE: ASTM D-412

Strength: **7,500 psi Min (51.71 MPa)**

Elongation: **325% Min.**

Permanent Set at Break: 10% Max.

Change in % after exposure

EMMAQUA, ASTM G90-94

309 days @ 86°F (30°C)

-31%

23%

HARDNESS: ASTM D-2240 50 ± 3

Shore D

TEAR

RESISTANCE:

ASTM D-624 Die C 600 pli Min.

(107.1 kg(f)/cm) -20%

WATER

ABSORPTION:

ASTM D-471 2.0% Max.

7 Days R.T.

WATER VAPOR

PERMEABILITY:

ASTM E-96 0.02 Perm Inches

Method B, 100% Difference at 73oF

(23°C).

FLAMMABILITY: Class A per ASTM E-84 over cement board.

The physical property test values listed above represent data from samples prepared under controlled conditions. Materials from job site locations will have equal values if test samples are similarly prepared.

PACKAGED PRODUCT DATA

COVERAGE: Sq. Ft./Gal./Mil 994

(24.4 m² /L/.02mm)

SOLIDS: Weight: Method 4041 62 ± 0.5%

Fed Std. 141

Volume: 62 ± 0.5%

V.O.C.: Volatile organic compounds are controlled to 49 grams per liter A and B combined.

SCAQMD compliant.

TOXICITY: Inhaling high vapor concentration of solvents could have adverse health effects. Part B contains isocyanate prepolymer, which is toxic if heated in a confined area and inhaled as particulate matter. Wear respiratory protection if material is heated, sprayed, or used in a confined space. Refer to MSDS for more information.

FLASH POINT: ASTM D-56 Part A - 4oF (-20°C) TCC Part B -4oF (-20°C)

TCC

ADHESION: Has good adhesion to wood, masonry and other SPEC Tech. products. See below for primer recommendations on metal surfaces.

STORAGE

STABILITY:

In original factory sealed containers: One year at 50o to 80oF (10°C to 27°C).

THINNER: Consult SPEC Technologies.

APPLICATION

PRIMER: None required for wood or masonry. Normally used as a clear coat over other decorative finish systems.

MIXING: Check both polyol (Part A) and isocyanate (Part B) to make sure they are homogeneous and uncontaminated. Combine one volume of Part A with one volume of Part B. Mix thoroughly. Power mixing is mandatory for quantities over two gallons (7.6 L).

POT LIFE: One to two hours at 70oF (21°C).

APPLICATION: Brush, roll or spray as mixed. Apply at one gallon per 150 to 300 square feet (3.78 L / 13.9 to 27.9 m²) for each coat. Use solvent supplied by SPEC Technologies for thinning and clean-up. Solvent from other sources may be contaminated with alcohol and will stop the cure of. (2-U-CC)

CURE: Applied coating will set to touch in 20 to 30 minutes and can be used for light foot traffic after 48 hours cure. For vehicle traffic, an additional 24 hours is necessary. 96 hours at 70oF (21°C) is required to achieve good chemical and solvent resistance.

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