



# (1-U-AT) 1 Component Urethane Aluminum Top Coat

**SPEC Tech 1-U-AT** is a single component, fire retardant moisture cure polyurethane elastomeric.

## USAGE

This product is designed for use as a general purpose waterproofing coating. It provides weatherability, wear resistance, waterproofing and fire resistance to a variety of surfaces.

## COLOR

Aluminum

## APPLIED COATING DATA

## WEATHERABILITY

Excellent

## CHEMICAL RESISTANCE

Good salt and solvent resistance.  
Fair resistance to acid and alkali.

## TENSILE

- ASTM D-412-68
- Strength: 1600 psi Min (11.03 MPa)
- Elongation: 400% Min.
- Permanent Set at Break: Less than 20%

## TEAR RESISTANCE

- ASTM D-624 Die C
- 230 Lb/In (41.1 kg(f)/cm)

## HARDNESS, CURED

- ASTM D-2240
- 70 ± 5 Shore A

## WATER VAPOR PERMEABILITY

- ASTM E-96
- Method B, 100% R.H. Difference at 73°F (23°C)
- 0.02 Perm Inches

## FLAMMABILITY

ASTM E-108 (UL 790) Class A when applied in accordance with published specifications.

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## TOXICITY

Contains flammable solvents and an isocyanate prepolymer. Threshold limit is 100 parts solvent vapor per 1 million parts air. Use only in ventilated areas or with fresh air supplied face masks if in a confined area. Avoid breathing vapors or spray mist. Contains an isocyanate polymer, which may be irritating to the skin or toxic if inhaled. Any material contacting skin should be neutralized by washing with generous quantities of soap and water.

## ADHESION

Excellent adhesion to polyurethane foam, concrete and wood. See primer recommendation for other substances.

## PACKAGED PRODUCT DATA

### COVERAGE

- Sq. Ft./Gal./Mil. 1065 (26.1 m<sup>2</sup> / L / .02 mm)

### SOLIDS

- Weight:
  - Method 4041
  - Fed. Std. 141
  - 76.4%
- Volume:
  - 70%

### V.O.C.

287 grams per liter

### FLASH POINT

- ASTM D-56
- 65°F (18°C)

### STORAGE STABILITY

One year from date of manufacture when stored in sealed containers below 75°F (24°C).

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## THINNER AND CLEANER

**SPEC Tech 1-U-AT T-5116** Regular, **SPEC Tech 1-U-AT T-5130** Spray. Use only thinners supplied by SPEC Technologies. **Thinners from other sources may be contaminated with alcohol which will stop the cure of SPEC Tech component polymers**

## APPLICATION

### PRIMER

None required for wood or concrete. Standard sealer system should be used on concrete surfaces other than limited flashing details. Use SPEC Tech 2-E-Primer on steel or aluminum, SPEC Tech 1-U-Primer on copper

### MIXING

Mix before application to assure uniform color and consistency.

### APPLICATION

Apply **SPEC Tech 1-U-AT** by brush or roller as received. Thinning up to one pint per gallon is permissible if viscosity increases. For spray application, use **SPEC Tech 1-U-AT** as received. Consult Spray Guide for more information. For cold weather application, keep material stored above 65°F (19°C).

### CLEANUP

Clean spray equipment with **SPEC Tech T-5130** thinner. Recirculate through lines and gun until residual **SPEC Tech 1-U-AT** is removed.

### CURE

Applied coating will cure in 24 hours with 70°F (21°C) and 40% relative humidity. Lower temperatures and humidity will require longer times to cure.

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