



## Moisture Cure Urethane Aluminum

Code: 926996 Exterior

### Description

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**Weather Barrier Moisture Cure Urethane** is a single component urethane, modified with bright aluminum flakes and fire retardant chemicals. It is especially designed as a waterproofing membrane for all kinds of roofing. **Weather Barrier Moisture Cure Urethane** is tough and elastic with a high tensile strength and good puncture resistance, and contains corrosion-inhibiting pigments for protection against rust and acid rain.

- Remains flexible at low temperatures; won't flow at high temperatures
- Won't harden and crack with age
- Exhibits good adhesion to aluminum, tin, corrugated steel, concrete, urethane foam and asphalt roofing
- Highly compatible with EPDM and other rubber roofs
- Provides long-lasting waterproofing in extreme climates
- Protects against UV deterioration

### Technical Data

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<b>Coating Type:</b>	Moisture-cure Urethane
<b>VOC:</b>	1.7 lbs/gal, 200 gms/liter
<b>Shelf Life:</b>	12 months
<b>Theoretical Coverage:</b>	1283 square feet per gallon per 1 dry mil
<b>Recommended DFT per Coat:</b>	25 - 32 mils
<b>Recommended Coverage per Coat:</b>	First coat 75 sq. ft. per/gal.      Second Coat 100 sq. ft. per/gal.
<b>Solids: by Volume</b>	80 ± 2%
<b>Packaging:</b>	1 gallon, 5 gallon, and 5 5 gallon containers
<b>Color:</b>	Bright Silver
<b>Moisture Vapor Transmission ASTM E-96</b>	1.57 perms
<b>Tensile Strength ASTM D-412</b>	600 psi
<b>Elongation ASTM D-412</b>	500%
<b>Flexibility at Low Temperatures ASTM C-711</b>	180 deg. bend @ -10 C
<b>Shore 'A' Hardness ASTM D-2240</b>	56 degrees
<b>Surface Spread of Flame ASTM E-108</b>	Class 1
<b>Puncture Resistance ASTM D-154-79</b>	120 psi
<b>Flash Point (closed cup) ASTM D50</b>	108°F
<b>Viscosity at 70°F ASTM D-446</b>	4,500 cps
<b>Drying Time @ 80°F (70% R.H.)</b>	24 hours (to walk on)
<b>Total Cure @ 80°F (70% R.H.)</b>	72 hours (to 56 deg. Shore'A')

### Preparation

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All substrates to be coated must be pressure washed clean, dry and sound. Loose, flaking or powdery rust, dirt, gravel and other surface contaminants not removed with power washing must be completely removed before priming.

Refer to the Weather Barrier Specification Guidelines for detailed instructions on how to prepare specific substrate types. Refer to section 1.09 of the Specification Guidelines for treatment of Seams, Fasteners and Flashing repair.

### Clean Up

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Clean up all tools and equipment, promptly, with Xylol. Flush spray equipment with Xylol several times to prevent rusting.

**Weather Barrier, Inc.**

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## *Application*

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Apply by brush, roller or spray. Airless spray requires 3/8" hose. Recommended tip size for airless spray is #735.

Use a pump that can deliver 2500 - 3000 psi.

Application over seams in metal roofs is achieved by embedding 3", 4" or 6" wide polyester mesh into a fresh coat of ***Weather Barrier Moisture Cure Urethane*** applied at 15 mils wet thickness. The fabric is then saturated with a second application at sufficient thickness to remove all voids, fish mouths and dry spots. Fasteners on metal roofs should be covered with sufficient product that they are encapsulated to the point of rundown.

As soon as the ***Weather Barrier Moisture Cure Urethane*** has dried, it may be recoated or top coated with a compatible topcoat. Application over EPDM, modified and other rubber roofs requires the preparation detailed above, including reinforcement of seams.

Some rubbers will swell, slightly, immediately upon application. This is normal. The adhesion process is complete when the original dimensions have returned.

New urethane foam should receive two coats of ***Weather Barrier Moisture Cure Urethane*** at 15 mils (approximately 100 square feet per gallon) wet thickness per coat to be sure that no foam is exposed to pinholes or holidays. Previously coated foam should be thoroughly repaired before application of ***Weather Barrier Moisture Cure Urethane***.

Sudden precipitation will not wash ***Weather Barrier Moisture Cure Urethane*** off when wet or normally applied, but may produce a mottled, dull appearance that is not detrimental to its overall performance. ***Weather Barrier Moisture Cure Urethane*** should never be applied to a wet or damp surface or pinholes may result.

## *Special Information*

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Do not apply if the temperature is predicted to drop below 35°F within 4 hours after application. Do not apply if the application can't be protected from precipitation for at least 4 hours.

Do not store sealed container in direct sunlight. Store ***Weather Barrier Moisture Cure Urethane*** below 90°F to avoid skinning. Part-full cans should be avoided. Shelf life is 12 months in unopened cans.

A skin will form in containers that have been opened after approximately 48 hours. After removal of the skin, remaining product in the can will perform without loss of properties.

## *Right to Know & Safety*

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The label complies with all applicable Right to Know laws. For information on safety hazards associated with this product please refer to MSDS sheets. Contains solvent and reactive isocyanates. Read the MSDS thoroughly before using. Do not get on skin or in eyes. Do not ingest or inhale vapor. Make sure that vapor does not enter building. If skin is contaminated, use suitable cleanser; if eyes are contaminated, wash with water for 15 minutes and seek medical attention. If clothing is contaminated, discard. If ingested, do NOT induce vomiting. Seek medical attention. If inhaled, remove person to fresh air.

## *Warranty*

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This product will perform as claimed if directions are followed. Since we cannot control conditions or methods of use, the warranty is limited to replacement or refund value of this product actually used. This warranty does not include labor or labor costs.

