

# ULTRA-SEAL

## A BRUSHABLE, CLEAR, RUBBER-LIKE SEALANT FOR USE IN A WIDE VARIETY OF GENERAL CONSTRUCTION AND ROOFING APPLICATIONS

**ULTRA-SEAL** is a brushable, clear, elastomeric sealant with rubber like flexibility designed to coat and waterproof masonry, concrete, wood, asphalt and metal surfaces in a wide variety of roofing, general construction and transportation applications. Ultra-Seal may be applied to damp or oily surfaces in a wide range of temperatures.

### USES and ADVANTAGES

- Excellent adhesion to all building surfaces even when damp or oily.
- Can be applied in a wide range of temperatures.
- Withstands water contact immediately after application to stop leaks.
- Prevents rust on any metal surface.
- Clear coats copper.
- Self-leveling.
- Cures to a tack free finish.
- Mildew proof and paintable.

#### Masonry and Concrete Applications:

Ultra-Seal coats and waterproofs concrete, brick, block or stone surfaces such as catch basins, chimney crowns, foundations, sills, parapets, planters, pre-cast concrete, retaining walls, storage tanks (exterior) and other non-traffic bearing surfaces.

#### Roofing Applications:

Repairs small areas on asphalt surfaces such as shingles and roofing membranes. Reseals shingle wind uplifts.

#### Metal Applications:

Coats and rust-proofs all metal surfaces such as copper, chimney caps, awnings, condensate pans, doors, flashing, gutters, roof panels, roof top

HVAC equipment, roof valleys, roof vents, autos, trucks and mobile homes.

#### Wood Applications:

Seals wood surfaces such as bracing, deck supports, doors, framing, posts, siding, thresholds, window sills, wood foundations and wooden gutters.

### SURFACE PREPARATION

All surfaces to be coated must be clean, structurally sound, free of foreign substances and dry, although moderate amounts of dampness will not interfere with adhesion. For maximum adhesion to heavily oiled or greasy surfaces clean with a suitable solvent or Umaco Concrete Cleaner and Degreaser. Allow the surface to dry completely before applying Ultra-Seal.

For roof repairs, surfaces must be dry. Wide joints or cracks may require the use of a caulking (Umaco Elastomeric Sealant Caulk) with an adequate backing.

### APPLICATION

After proper surface preparation, apply with a brush, trowel or putty knife, tooling Ultra-Seal into seams and cracks needing to be sealed. Each applied coat of Ultra-Seal must not exceed 1/16". If Ultra-Seal is applied thicker than 1/16" per coat, it will not cure properly and may crack or split during curing. To obtain a thicker cured film, apply several light coats, allowing 24 hours between applications. If painting, a test patch is recommended to determine compatibility.

### CLEANING

Remove spilled or misapplied sealant from tools or other surfaces with mineral spirits. Cured material may be removed

from tools or other surfaces with xylene. Observe manufacturer's precautions when using toxic or flammable solvents.

### PRECAUTIONS

- Ultra-Seal contains solvents which may craze some plastic materials.
- Compatibility tests should be made in all cases.
- Ultra-Seal is combustible during cure.
- Apply in a well ventilated area.

#### Not Recommended For:

- Traffic bearing surfaces.
- Polystyrene insulation sheathing.
- Areas where food is processed or stored, unless sealant is cured until solvent dissipates.

#### Service Temperature:

- 40 degrees F to 180 degrees F.

#### Application Temperature:

0 degrees F to 140 degrees F.

### COVERAGE

Coverage will vary depending on the porosity of the surface being coated.

#### Theoretical Yield:

<u>Surface Type</u>	<u>Sealant Thickness</u>	<u>Yield (approx.)</u>
Smooth.....	1/16" (62 mils)	100 sq. ft. (sheet metal)

Porous.....	1/16" (62 mils)	25 sq. ft. (wood shingles)
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60 REAR NEWHALL STREET

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## TECHNICAL DATA

Density.....	7.70 lbs/gallon
Specific Gravity (77 °F).....	0.924
Flash Point.....	108 °F
Viscosity (Brookefield DV-III C spindle) at 72 °F.....	< 100.0 cps
Percent Solids.....	49% by weight
<b>Dry Adhesion (lbf)</b>	
Aluminum.....	27.00/sr
Brick.....	18.76/100a
Concrete.....	24.10/100c
Galvanized Steel.....	26.02/80c
Glass.....	27.11/100c
Kynar.....	24.13/45c
Luan (Wood).....	18.51/100c
Steel.....	27.59/100c
Tile.....	32.18/100c
Vinyl.....	27.62/100c
Tensile at Peak (psi).....	301
Elongation at Break (%).....	565
Type "A" Hardness.....	50
Tack Free Time (ASTM Method).....	2.4 hours
Cure Rate by Weight Loss.....	5 days
Water Vapor Transmission.....	1.14 mg/cm <sup>2</sup> /24 hours
Water Permeance Value.....	0.05 perms
Application Temperature.....	0°F to 140°F
Service Temperature.....	-40°F to 180°F

### **WARNING!**

Contains Tetrachloroethylene and Aromatic Hydrocarbons. Use with ventilation. Avoid eye contact. This product contains a chemical known to the state of California to cause cancer. May be harmful or fatal if swallowed. If swallowed, seek immediate medical attention. Do not eat, drink or induce vomiting. Avoid prolonged skin contact and breathing of vapors.

Read Material Safety Data Sheet (MSDS) before using this product which may be obtained from your retailer or by calling 978-453-8881.

24 Hour Emergency Medical/Spill Information (Chemtrec): 800-424-9300

**USE ONLY WITH ADEQUATE VENTILATION. KEEP OUT OF THE REACH OF CHILDREN.**

**For technical assistance call 978-453-8881**

### LIMITED WARRANTY

The manufacturer guarantees its products to be free of defects and the extent of its liability is limited to the purchase price of the materials only, if proved to be defective. Improper mixing, incorrect application or other factors beyond the control of the manufacturer or its dealers may produce unsatisfactory results and cannot be held to be the manufacturers or it's dealers responsibility. There are no other guarantees either expressed or implied.

**03-01-13**

VOC content less than 350 grams/liter. Subject to Volatile Organic Compound Content, Limits for Architectural Coatings Table 1 Thermoplastic Rubber Coatings and Mastics 550 grams/liter maximum.

#### Contents:

Tetrachloroethylene CAS 127-18-4  
Aromatic Hydrocarbon CAS 64742-95-6  
Thermoplastic Rubber CAS 66070-58-4  
Hydrocarbon Resin CAS (Proprietary)

- Concrete Patching and Repair Products
- Masonry Waterproofing Products
- Acrylic Admixtures and Bonding Agents



- Decorative Masonry and Concrete Coatings
- Traditional and Synthetic Stucco Systems
- Flooring Underlayments and Resurfacers

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