

# WEATHERLASTIC™ SMOOTH

## Flexible, waterproof elastomeric exterior coating

DSC433

### Description

Weatherlastic Smooth is a water-based, elastomeric coating specified for use as a waterproof, decorative coating. It is easily applied with an airless spray or roller. Weatherlastic Smooth is based upon a 100% acrylic, copolymer elastomeric resin, which provides excellent elongation and flexibility at low temperatures and after weathering. The coating resists mildew growth and dirt pickup and is highly chalk-resistant.

### Use

Weatherlastic Smooth is recommended as a waterproof coating on properly prepared concrete, masonry, EIFS and stucco substrates.

### Advantages

- Bridges hairline cracks
- Dirt Pickup and Mildew Resistant
- Plasticizer free
- Low temperature flexibility
- Maximum adhesion
- Highly chalk resistant

### Coverage

Two coats of Weatherlastic Smooth are recommended. Coverage listed is for two coats at a thickness of 11 mils wet each, which yield a combined dry film thickness of 11 mils. A minimum 11 mils dry film thickness is required for warranted waterproofing performance. Approximately 6–6.7 m<sup>2</sup> (65-72 ft<sup>2</sup>) per gallon.

### Packaging

25 kg (55 lb) weight in a 19 L (5 gal) pail for factory-tinted colors. 23 kg (50 lb) weight in 19 L (5 gal) pail for tint bases. Final weight will depend upon level of pigment added to obtain desired color.

### Properties

Volume Solids - Approximately 46.5% volume solids.

**Drying Time** - A 22 mils thick wet film (to achieve a 11 mils dry film) will dry to touch in 3-4 hours @ 21 °C (70 °F), 55% R.H. Protect from rainfall for 24 hours at 21 °C (70 °F), 55% R.H., longer when temperature is cooler and when relative humidity is higher.

### Exposure Testing:

- **Accelerated Weathering (ASTM G155)** - Xenon Arc Weather-Ometer®; Test Method A, BH Apparatus - no deleterious effects after 5,000 hours continuous exposure.
- **Resistance to Wind Driven Rain (Fed. Test Method TT-C-555 B)** - passes.
- **Resistance to Salt (Fog) Spray (ASTM B117-90)** - no deleterious effects after 500 hours continuous exposure.
- **Mildew Resistance (ASTM D5590-00)** - passes.
- **Fungal Resistance (Fed. Test Method 141 Method 6271)** - passes.

### Physical Testing:

- **Elongation (ASTM D412)** - 709% elongation at break.
- **Tensile Strength (ASTM D412)** - 109 psi @ 22 °C (72 °F), 488 psi @ -18 °C (0 °F).
- **Flexibility (ASTM D522)** - 3.2 mm (1/8") dia. mandrel, 180° bend, done at -34 °C (-30 °F) - passes; no cracking.
- **Water Vapor Transmission (ASTM E96-80)** - free film, dried 21 days @ 23 °C (73 °F), 50% R.H.; Water Method; 50% R.H. @ 22 °C (72 °F), non-inverted cup (Method B): Water Vapor Permeance - 15 perms @ 10 mils dry film thickness.
- **Adhesion to Concrete (ASTM D4541-85)** - pull-off test dried

21 days @ 22 °C (72 °F), 50% R.H. - 125 psi at failure end point.

- **Impact Resistance (ASTM 2794-90)** - 98 inch pounds at failure end point.
- **Shore A Hardness (ASTM D2240)** - 20 mils dry film thickness, dried 21 days @ 22 °C (72 °F), 55% RH = 70. Flame Spread (ASTM E84) - <25, class 1.

### Application Procedure

**Surface Preparation** - Refer to Guide Specification, DSC140.

**Application** - Mix well prior to application. Recommended application method is by airless spray or roller. For detailed applications instructions, refer to specifications. Thinning not recommended unless spraying. Clean Up - Clean tools with soapy water while Weatherlastic Smooth is still wet.

**Storage** - Shelf Life: 2 years in unopened container. Store in a cool, dry location.

### Cautions and Limitations

Keep from freezing. Not for waterproofing below grade. Not for use in immersion service. In-service temperature limit is 93 °C (200 °F). Weatherlastic Smooth must not be used on exposed exterior horizontal surfaces. Minimum slope is 150 mm (6") in 350 mm (12") (27°). Weatherlastic Smooth colors are slightly darker than the same color in a Dryvit DPR finish. Exact color match from batch to batch cannot be guaranteed. Weatherlastic Smooth shall not be returned into any sealant joint. Instead a coat of Color Prime™ or Demandit™ should be applied over the base coat in the joint.

**Warranty:**

Weatherlastic Smooth comes with a written five-year limited material warranty. Contact Dryvit Systems Canada for full details.

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Dryvit Systems Canada  
129 Ringwood Drive  
Stouffville, ON L4A 8C1  
(800) 263-3308

[www.dryvit.ca](http://www.dryvit.ca)

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