

# WEATHERLASTIC™ SMOOTH

# DSC433

Flexible, waterproof elastomeric exterior coating

## 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 Resistant, 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-Omether® ; Test Method A, BH Apparatus - no deleterious effects after 5,000 hours continuous exposure.

**Resistance to Wind Driven Rain** (Federal 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** (Mil Std 810B) - passes.

**Fungal Resistance** (Fed. Test Method 141 Method 6271) - passes.

## Physical Testing:

**Elongation** (ASTM D412) - 475% elongation at break.

**Tensile Strength** (ASTM D412) - 100 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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