

# Weatherlastic® Smooth

## Flexible, Waterproof Elastomeric Exterior Coating

# DS433

### Description

Weatherlastic Smooth is a water-based elastomeric wall 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. 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 yields a combined dry film thickness of 11 mils. A minimum 11 mils dry film thickness is required for warranted waterproofing performance. Approximately 65-72 ft<sup>2</sup> (6-6.7 m<sup>2</sup>) per gallon.

### Packaging

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

### Properties

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

**Testing Information** – Testing is in accordance with SWRI's Validation Program. For additional testing refer to the chart included with this document.

SEALANT · WATERPROOFING & RESTORATION INSTITUTE	
Issued to: Dryvit® Systems, Incorporated	
Product: Weatherlastic® Smooth	
ASTM D 6904: Resistance to Wind Driven Rain	
Weight Gain: 0.1 oz. Water Leaks: none	Pass ✓
ASTM D 1653: Moisture Vapor Transmission	
WVT (grains/h ft <sup>2</sup> ) 12.4 Perms: 30.3	Pass ✓
ASTM D 412: Tensile Properties	
Tensile Strength: 109 psi Elongation: 709%	Pass ✓
ASTM C 1305: Cracking Bridging Ability	
Results: No cracking	Pass ✓
ASTM D 2697: Solids Content by Volume	
Results: 46.5% Density: 11.4 lbs/gal.	Pass ✓
Validation Date: 4/11/13 – 4/12/18	
No. 413-WS418	Copyright © 2013
<b>WALLCOATINGS VALIDATION</b>	
<a href="http://www.swrionline.org">www.swrionline.org</a>	

### Surface Preparation

Refer to Guide Specification, DS140.

### Application

Mix well prior to application. Recommended application method is by airless spray or roller. For detailed application instructions, refer to specifications. Thinning not recommended unless spraying.

### Clean Up

Clean tools with soapy water while Weatherlastic Smooth is still wet.

**Storage** - Weatherlastic Smooth must be stored at a minimum of 45 °F (7 °C) and a maximum of 100 °F (38 °C) in tightly sealed containers protected from weather and out of direct sunlight.

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

### Cautions and Limitations

- Avoid applying Weatherlastic Smooth in direct sunlight. Always work on the shady side of the wall or protect the area with appropriate shading material.
- Keep from freezing.
- Not for use below grade or in immersion service.
- In-service temperature limit is 200 °F (93 °C).
- Weatherlastic Smooth must not be used on exposed exterior horizontal surfaces.
- Minimum slope is 6 in 12 (27°). Maximum length of slope is 12 in (305 mm).
- Weatherlastic Smooth colors are slightly darker than the same color in a Dryvit textured 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™, Weatherprime®, Demandit® Smooth or Weathercoat™ should be applied over the base coat that will be in contact with sealant.

### Technical and Field Service

Available on request.

Weatherlastic® Smooth Testing <sup>1</sup>		
Test	Test Method	Results
Resistance to Wind Driven Rain <ul style="list-style-type: none"> <li>• Weight Gain (oz)</li> <li>• Visible Water Leaks</li> </ul>	ASTM D 6904	<ul style="list-style-type: none"> <li>• 1.0 oz</li> <li>• none</li> </ul>
Moisture Vapor Transmission <ul style="list-style-type: none"> <li>• WVT (grains/ft<sup>2</sup>•h)</li> <li>• Perms</li> </ul>	ASTM D 1653	<ul style="list-style-type: none"> <li>• 12.4 grains/ft<sup>2</sup>•h</li> <li>• 30.3 perm</li> </ul>
Tensile Properties <ul style="list-style-type: none"> <li>• Tensile Strength (psi)</li> <li>• Elongation (%)</li> </ul>	ASTM D 412	<ul style="list-style-type: none"> <li>• 109 psi</li> <li>• 709%</li> </ul>
Crack Bridging	ASTM C 1305	No cracking
Volume Solids (%)	ASTM D 2697	46.5%
Weight Solids (%)	ASTM D 2697	56.6%
Density (lbs/gal)	ASTM D 2697	11.4 lbs/gal
Flexibility	ASTM D 522	Passed 1/8 in diameter @ -30 °F no cracking
Mildew Resistance	ASTM D 5590-00	Aureobasidium Pullulans No growth A. Niger+P. Funiculosum Trace growth, <10%
Adhesion to Concrete	ASTM D 4541-85	125 psi
<sup>1</sup> Testing conducted at independent third party laboratory. Data may vary slightly from SWRI validation results.		

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