# Weatherlastic® Smooth DS433

## Flexible, Waterproof Elastomeric Exterior Coating

**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.

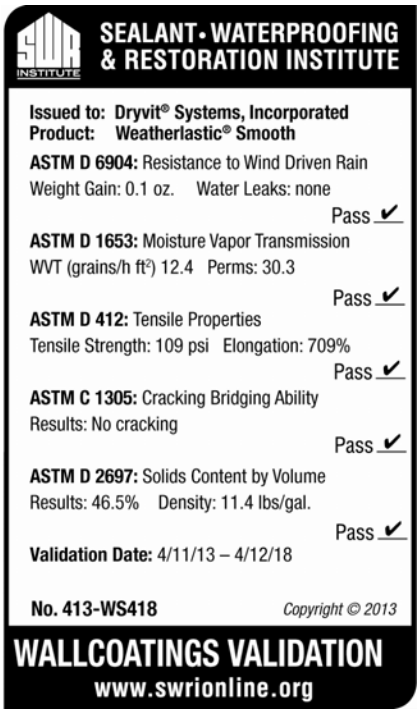
**Advantages**
- Bridges hairline cracks
- Dirt Pickup Resistant
- Mildew Resistant
- Plasticizer free
- Low temperature flexibility
- Maximum adhesion
- Highly chalk resistant

**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 $ft^2$ (6–6.7 $m^2$) 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.




**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[1] | | |
|---|---|---|
| **Test** | **Test Method** | **Results** |
| Resistance to Wind Driven Rain<br>• Weight Gain (oz)<br>• Visible Water Leaks | ASTM D 6904 | <br>• 1.0 oz<br>• none |
| Moisture Vapor Transmission<br>• WVT (grains/ft²•h)<br>• Perms | ASTM D 1653 | <br>• 12.4 grains/ft²•h<br>• 30.3 perm |
| Tensile Properties<br>• Tensile Strength (psi)<br>• Elongation (%) | ASTM D 412 | <br>• 109 psi<br>• 709% |
| 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<br>@ -30 °F<br>no cracking |
| Mildew Resistance | ASTM D 5590-00 | Aureobasidium Pullulans<br>No growth<br>A. Niger+P. Funiculosum<br>Trace growth, <10% |
| Adhesion to Concrete | ASTM D 4541-85 | 125 psi |
| [1]Testing conducted at independent third party laboratory. Data may vary slightly from SWRI validation results. | | |

Dryvit Systems, Inc.
One Energy Way
West Warwick, RI 02893
(800) 556-7752
www.dryvit.com



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