

Weatherlastic™ Smooth

Flexible, Waterproof Elastomeric Exterior Coating

DUK433

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 m² (65-72 ft²) 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

(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, DUK140.

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, Inc. for full details.

Dryvit UK Ltd.
Unit 4 Wren Park
Hitchin Road
Shefford, Bedfordshire
SG17 5JD
01462 819555
www.dryvit.co.uk

This information conforms to the standard detail recommendations and specifications for the installation of Dryvit UK Ltd. products as of the date of publication of this document and is presented in good faith. Dryvit UK Ltd. assumes no liability, expressed or implied, as to the architecture, engineering or workmanship of any project. To ensure that you are using the latest, most complete information, contact Dryvit UK Ltd.

dryvit[®]
An RPM Company