Weatherlastic®

DS418

Flexible, Elastomeric Exterior Finishes

Description
Weatherlastic is a line of textured finishes that are 100% acrylic, utilizing DPR (Dirt Pickup Resistant) chemistry and an elastomeric binder to bridge hairline cracks. Weatherlastic is available in four distinct textures. Weatherlastic Quarzputz®, Weatherlastic Sandpebble®, Weatherlastic Sandpebble® Fine, Weatherlastic Adobe® and achieve textures which are governed by aggregate size as well as the trowel motion in finishing the wall. Quarzputz produces an open-textured pattern in a regular or random style, Sandpebble trowels to a pebble texture, Sandpebble Fine produces a fine pebble texture; Adobe trowels to a smooth, fine sand texture.

Uses
Weatherlastic finishes are ideally suited as a protective and decorative coat over stucco, concrete, masonry, CMU and EIFS substrates.

Coverage
All coverages are approximate and depend on substrate, details and individual application technique. Weatherlastic Quarzputz: Approximately: 140 ft^2 (13 m^2) per 70 lb (32 kg) pail. Weatherlastic Sandpebble: Approximately 130 ft^2 (12 m^2) per 70 lb (32 kg) pail. Weatherlastic Sandpebble Fine: Approximately 150 ft^2 (14 m^2) per 70 lb (32 kg) pail. Weatherlastic Adobe: Approximately 190 ft^2 (18 m^2) per 70 lb (32 kg) pail.

Properties
Drying Time - Drying of the Weatherlastic finish is dependent on the air temperature, relative humidity and thickness of finish. Under average drying conditions [70 °F (21 °C), 55% R.H.], protect work from rain for at least 24 hours.

Testing Information:
For individual test data on this product's properties, please reference the chart included with this document.

Application Procedure
Job Conditions - Air and surface temperature for application of Weatherlastic finishes must be 40 °F (4 °C) or higher and must remain so for a minimum of 48 hours.

Temporary Protection - Shall be provided at all times until the base coat, finish and permanent flashings, sealants, etc. are completed to protect the wall from weather and other damage.

Surface Preparation - Surfaces must not be below 40 °F (4 °C) and must be clean, dry, structurally sound and free of efflorescence, grease, oil, form release agents and curing compounds.

- **Concrete**: Shall have cured a minimum of 28 days prior to application of the coatings. If form release agents or curing compounds are present on the concrete surface, the surface shall be thoroughly washed with muriatic acid and flushed to remove residual acid. All projections shall be removed and small voids filled with Genesis® Primus®, Genesis® DM or Primus® DM mixture. Dryvit Weatherprime® shall be applied to the prepared concrete surface using a roller or brush.
- **Masonry**: The masonry surface, with joints struck flush, shall be "skim coated" with Genesis, Primus, Genesis DM or Primus DM mixture to produce a smooth, level surface.
- **Stucco**: Weatherlastic finishes shall be applied to the properly primed, cured brown coat. If additives are present in the stucco, a test patch shall be made and bond strength checked prior to application. If applied to existing stucco, one coat of Weatherprime should be applied to the brown coat before applying the Weatherlastic finish.

Mixing - Thoroughly mix Weatherlastic finishes with a Goldblatt Jiffler Mixer until a uniform workable consistency is attained.

Application - Weatherlastic Finishes: Using a stainless steel trowel, apply a level coat of Weatherlastic finish to a uniform thickness slightly thicker than the largest aggregate. The texture is achieved by a uniform hand floating motion with a clean stainless steel trowel, plastic trowel or wood float. Apply light pressure in a circular motion. Maintain a wet edge for uniformity of color and texture.

Clean Up - Clean tools with water while the Weatherlastic finish is still wet.

Maintenance - All Dryvit products are designed to require minimal maintenance. However, as with all building products, depending on location, some cleaning may be required. See Dryvit publication DS152 on cleaning and recoating.

Storage
Weatherlastic finish must be stored at a minimum of 40 °F (4 °C) and a maximum of 100 °F in tightly sealed containers protected from weather and out of direct sunlight.

Cautions and Limitations

- Weatherlastic finish must not be used on exposed exterior horizontal surfaces. Minimum slope is 6 in 12 which is (27°). Maximum length of slope is 12 in (305 mm).
- Dryvit finishes shall not be used below grade when applied as the finish for an EIF system.
- Dryvit finishes are not intended for direct-applied, vertical applications over exterior type gypsum based sheathing board, foam plastic insulation or other type insulation board.
- Dryvit finishes shall not be returned into any sealant joint. Instead, a coat of Dryvit Color Prime or Dryvit Demandit® Smooth should be applied over the base coat in the joint.
- Due to the nature of the resins and additives used in the formulation of Weatherlastic finishes, when exposed to damp conditions, the finishes will soften. This property is more pronounced immediately after application; as the finish cures, the degree of softening is reduced.

- Weatherlastic finish colors appear slightly darker than the same color in a Dryvit DPR finish.
- Avoid applying finish in direct sunlight. Always work on the shady side of the wall or protect the area with appropriate shading material.

Technical and Field Services
Available on request.

Weatherlastic® Finish Testing			
Test	**Test Method**	**Criteria**	**Results[1]**
Surface Burning Characteristics	ASTM E 84	Flame Spread <25 Smoke Developed <450	Passed
Flexibility[2]	ASTM D 522 Method B	N/A	Passed: 1.0 in diameter @ 40 °F
Water Vapor Transmission	ASTM E 96 Procedure B	Vapor Permeable	17.4 Perms
Accelerated Weathering	ASTM G 154 Cycle 1 (QUV)	No deleterious effects[3] after 2000 hours	No deleterious effects[3] after 5000 hours
	ASTM G 155 Cycle 1 (Xenon Arc)	No deleterious effects[3] after 2000 hours	No deleterious effects[3] after 5000 hours
Chalk Rating	ASTM D 4214 after ASTM G 154 Cycle 1	N/A	Chalk rating: 9+ after 5000 hours QUV
Instrumentally Measured Color Difference[4] (includes yellowing)	ASTM D 2244 CIELAB, 10° Observer after ASTM G 154 Cycle 1	N/A	Color change: 1.3 Delta E after 5000 hours QUV
Freeze-Thaw Resistance	ASTM E 2485	No deleterious effects[3] after 60 cycles	No deleterious effects[3] after 90 cycles
	ASTM E 2485	No deleterious effects[3] after 10 cycles	No deleterious effects[3] after 10 cycles
Mildew Resistance	ASTM D 3273	No growth 28 day during exposure period	No growth after 28 days
Salt Spray Resistance	ASTM B 117	No deleterious effects[3] after 300 hours	No deleterious effects[3] after 1000 hours
Water Resistance	ASTM D 2247	No deleterious effects[3] after 14 days	No deleterious effects[3] after 42 days
Abrasion Resistance	ASTM D 968 Method A Falling Sand	No deleterious effects[3] after 528 quarts (500 liters)	No deleterious effects[3] after 1057 quarts (1000 liters)
	ASTM D 4060 Taber Abrasion (500 g load)	N/A	1000 cycles: .50 mg mass loss/rev
Adhesion to Concrete	ASTM D 4541	15 psi minimum	>156 psi
Tensile Bond	ASTM C 297/E 2134	15 psi minimum	>24 psi
Physical Properties[5]	ASTM D 412	N/A	Tensile Strength 200 psi Elongation – 450% Recovery at 100 % Elongation – 90% minimum

1. Testing referenced is based on Weatherlastic Quarzputz Pastel Base finish.
2. Finish applied over aluminum panels, bent on cylindrical mandrels as described in ASTM D 522 Method B. Lower diameter indicates higher flexibility.
3. No cracking, checking, rusting, crazing, erosion, blistering, peeling, or delamination when viewed under 5x magnification.
4. Delta E is total color difference, including yellowing, lightening, darkening, changes in red, blue, and green color values. Finish exposed to 5,000 hours of QUV prior to evaluating Delta E.
5. These properties are accurate for neat films. Actual results will vary with aggregate size and texture.

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For more information on Dryvit Systems or Continuous Insulation, visit these links.

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