

Technical Information Sheet



AcryliTop™ PC-100 Roof Coating*

Item Description	Item Number
AcryliTop PC-100 White	W56RACTOPW
AcryliTop PC-100 Gray	W56RACTOPG
AcryliTop PC-100 Tan	W56RACTOPT
* New formulation	

Description

AcryliTop PC-100 Roof Coating is a high-solids acrylic roof coating that provides a reflective surface over new Elevate APP, SBS, or RubberGard™ EPDM roofing systems as required by Holcim technical specifications and details. AcryliTop PC-100 Roof Coating may also be applied to existing Elevate asphalt or EPDM roofing systems to reduce roof surface temperature and help to extend roof service life.

Product Packaging

Available in 5-gal (18.9 L) plastic pail

Method of Application

1. Install the Elevate APP, SBS, or RubberGard™ EPDM roofing system in accordance with Holcim technical specifications and details. If a Red Shield™ Warranty is to be issued, all inspections by Holcim and all subsequent repairs must be completed prior to the application of AcryliTop PC-100 Roof Coating.
2. All surfaces to receive AcryliTop PC-100 Roof Coating must be clean, free of foreign material and contaminants, and completely dry prior to application.
 - For EPDM roofing systems, remove loose debris and clean the roof using Elevate’s VOC-Free Membrane Pre-Wash.
 - For SBS and APP roofing systems, clean the roof to remove all dirt, debris, and loose granules prior to coating. For weathered membranes, use a stiff bristle broom, power broom, or industrial vacuum.
3. Apply AcryliTop PC-100 Roof Coating only when air, material, and surface temperatures are between 50 °F – 110 °F (10 °C – 43 °C). Apply product in the morning to allow for maximum dry time during daylight hours.
4. Mix with a mechanical mixer before application to ensure uniform color and consistency. Mix until AcryliTop PC-100 is homogenous before application. Thinning is not recommended under normal conditions.

5. AcryliTop PC-100 Roof Coating may be spray applied or roller applied.
 - **For spray application:** Use an airless sprayer with 2,000 – 3,000 psi (13.8 MPa – 20.7 MPa) at the gun tip, 1.0 –3.0 gal / min (3.8 L – 11.4 L / min) flow rate, and tip sizes ranging from 0.025 – 0.040 in (0.64 – 1 mm). Larger spray units will allow for longer hoses on larger jobs. Contact Holcim Technical Services if further assistance is required in determining the optimal equipment for project specific requirements.
 - **For roller application:** Use a 3/8 in (10 mm) nap roller. A base coat application of AcryliTop PC-100 at an approximate rate of 1.0 gal / 100 ft² (3.8L / 9.3 m²) may be necessary over some granular surfaced and weathered asphalt substrates before applying the topcoat. When a base coat is applied, Holcim recommends using a different color than the top coat, for example, a gray base coat and a white top coat.
Note: Roller application may produce a textured surface appearance.
6. Apply AcryliTop PC-100 Roof Coating in a one-coat application at an approximate rate of 1.25 gal/100 ft² (4.7L / 9.3 m²) to achieve a Dry Film Thickness (DFT) of 10 mils.
 - Coverage rates are project specific. Additional coating may be required over granular surfaced and weathered membranes. Use of a field mil gauge throughout the application is strongly recommended. Adjust application rate as needed to achieve 10 mils DFT.
 - The total DFT, including any base and top coats, must be a minimum of 10 mils.
 - Do Not exceed 1.5 gal / 100 ft² (5.6 L / 9.3 m²) per coat.
7. Approximate dry time is 4-6 hours at 75 °F (24 °C) and 50% RH per coat. Allow each coat of AcryliTop PC-100 Roof Coating to dry thoroughly between applications, or before walking on applied coating. Low temperatures or high humidity conditions will extend dry time. Do not apply AcryliTop PC-100 Roof Coating when precipitation or heavy dew is expected within 4 hours (6–8 hours in high humidity conditions).

Physical Properties			
Color	White, Gray, Tan		
Adhesion	Excellent adhesion to new and weathered EPDM, APP, and SBS membranes.		
Theoretical Coverage	818 ft ² / gal / Mil (76 m ² / 3.78 L / 0.02 mm)		
Solids	Weight:	66.5%	ASTM D1644
	Volume:	51.0%	ASTM D2697
Toxicity	Not for use in contact with edible surfaces or potable water.		
V.O.C.	< 50 g / L EPD Method 24		

Typical Cured Film Properties (ASTM D6083) - 8 mils DFT (White)			
Property	ASTM Standard	Performance Minimum	Typical Performance
Tensile Strength	D2370	≥ 200 psi (1.4 MPa)	229 psi (1.6 MPa)
Elongation at Break - Initial	D2370	≥ 100%	220%
Tensile Strength - 1,000 Hours	D2370	≥ 200 psi (1.4 MPa)	411 psi (2.8 MPa)
Elongation at Break - 1,000 Hours	D2370	≥ 100%	252%
Tear Resistance (Die C)	D624	60 lb / in.	68.5 lb / in (31 kg / 25 mm)
Low Temperature Flex	D522	1/2" Mandrel, -15 °F (-26 °C)	Pass
Low Temperature Flex - 1,000 Hours	D522	1/2" Mandrel, -15 °F (-26 °C)	Pass
Water Vapor Permeability 20 mils DFT (inch pounds)	E96	50 Perms. max	7.0 Perms
Water Swelling	D461	20% max.	5%
Solar Performance		Initial	After Soiling*
Solar Reflectance - White	C1549	0.85	0.75
Thermal Emittance - White	C1371	0.89	0.89
Solar Reflectivity Index - White	E1980	107	93

* These values will be replaced with the measured three-year aged values upon completion of the weathering process.

Storage

- Store between 50 °F – 110 °F (10 °C – 43 °C)
- DO NOT ALLOW PRODUCT TO FREEZE
- Some separation may occur after extended storage
- Mix thoroughly before use

Shelf Life

24 months when properly stored out of direct sunlight.

Precautions

- Not intended for use over surfaces prone to ponding water
- Refer to Safety Data Sheets (SDS) for specific health and safety information

LEED® Information

Post-Consumer Recycled Content: 0%

Post Industrial Recycled Content: 0%

Manufacturing Location: Waukesha, WI

NOTE: LEED® is a registered trademark of the U.S. Green Building Council



Please contact Holcim Technical Services at 800-428-4511 for further information.

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