

PC-227 ELASTOMERIC ROOF COATING



Commercial Product Data Sheet

Product Description

PC-227 Elastomeric Roof Coating is a 100% acrylic, white coating designed for use over Siplast Roof Systems. PC-227 Elastomeric Roof Coating reduces cooling energy and roof system life cycle costs by combining superior reflectivity with excellent durability, adhesion, and flexibility. Its asphalt bleed blocking properties retard the leaching of asphalt, making it well suited for SBS-modified bitumen systems.

Product Applications

PC-227 is available packaged in 5-gallon (18.9 L) pails and 55-gallon (208.1 L) drums. It can be applied with spray, brush, or roller to create a seamless roof coating. Surfaces to be coated with PC-227 must be clean, dry, and free of loose sand, dirt, grease, oil, and other contaminants that will interfere with proper adhesion. Newly installed Siplast membranes, which have been applied by hot asphalt or torch, must be exposed for a minimum of 60 days before coating. Membranes installed with Siplast adhesives must be exposed for a period of time until the adhesive has sufficiently cured.

The minimum slope required when using PC-227 over Paradiene 20 smooth-surfaced sheets is 1/4 inch (2%), with no occurrences of ponding water. PC-227 may be used to coat granule-surfaced Paradiene and Parafor products at lower slopes, provided any areas of random ponding receive 1.5 times the recommended coating usage.

Periodic maintenance of PC-227 will ensure extended product performance. Inspect the roof coating during scheduled biannual roof maintenance audits. Refer to Siplast PC-227 maintenance instructions for specific recommendations.

Temperature Considerations and Limitations

Do not apply PC-227 Elastomeric Roof Coating when surface or ambient temperature is below 50°F (10°C) or when relative humidity is above 90%. Cool temperatures and high humidity retard curing. PC-227 should only be applied when weather conditions will permit drying before rain, dew, or freezing temperatures occur.

Product Approvals

PC-227 meets or exceeds ASTM D 6083 requirements for critical properties such as tensile strength, elongation, and weatherability.

White PC-227 Elastomeric Roof Coating is California Title 24 Part 6 compliant, meets U. S. EPA Energy Star® guidelines for energy efficiency, and qualifies for LEED certification points as defined by the United States Green Building Council.

PC-227 Elastomeric Roof Coating is approved for use over any Siplast Underwriters Laboratories system up to a maximum incline of 3/4 inch per foot.

COMMERCIAL PRODUCT INFORMATION

Unit: 5-gallon pail (18.9 L)

5 gallons (18.9 L) net content

Unit: 55-gallon drum (208.1 L)

55 gallons (208.1 L) net content

Coverage:

Granule-surfaced sheets: 2.0 to 2.5 gallons/square
(0.8 to 1.0 L/m²)

Smooth-surfaced sheets: 1.5 to 2.0 gallons/square
(0.6 to 0.8 L/m²)

Shelf Life: 1 year

Packaging: 5-gallon (18.9 L) pail or 55-gallon (208.1 L) drum

Number of Pails per Pallet: 36

Number of pallets per truck: 20

Gross weight per pail: 61 lb (27.7 kg)

Pallet size:

5-gallon pails 48 in X 42 in X 49 in
(122 cm X 107 cm X 124 cm)

55-gallon drums 48 in X 48 in (122 cm X 122 cm)

Number of drums per truck: 64

Gross drum weight: 697 lb (316.1 kg)

Shipping Classification: DOT No. 55

Storage and Handling: Pallets of PC-227 should be stored upright on a clean, flat surface at temperatures between 40°F (4°C) and 100°F (38°C). Avoid storage in direct sunlight during summer months. Do not allow containers of PC-227 to freeze.

Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Web site at www.Siplast.com.

Rev 12/07