

PA-311 M ADHESIVE



Commercial Product Data Sheet

Product Description

PA-311 M Adhesive is a specially formulated cold process adhesive designed for use with Siplast Paradiene 20/30, Paradiene 40 FR, and Parafor 50 LT Roofing Systems. PA-311 M Adhesive is an asphalt cutback adhesive containing non-asbestos fibers and special bond enhancing modifiers.

Product Uses

PA-311 M Adhesive is designed for use with Siplast Paradiene 20/30, Paradiene 40 FR, and Parafor 50 LT Roofing Systems at roof inclines in excess of 1/4 inch (2%) per foot. PA-311 M Adhesive is not approved for use with Siplast Veral Roofing and Flashing Systems. Contact Siplast for specific approval on other product uses.

PA-311 M Adhesive can be applied by brush, roller, squeegee, Paraflo Adhesive Spreader, or spray unit. Base ply application rates will vary over irregular or porous substrates. Inter-ply applications typically require approximately 1½ to 2 gallons per square (0.6 - 0.8 liters per square meter). On granule-surfaced materials, end lap usage of PA-311 M Adhesive should be approximately double that of the field sheet application.

Temperature Considerations and Limitations

In ambient temperatures below 50°F (10°C), materials should be stored in a warm environment and the use of pre-heaters or in-line heaters may be required in order to obtain the minimum desired material temperature of 70°F (21°C) at point of application. Membrane materials should be stored in a warm place prior to application in order to facilitate proper installation and avoid wrinkling. Additionally, rolls may be unrolled and relaxed and/or cut into shorter lengths to avoid wrinkling.

Product Approvals

PA-311 M Adhesive is approved by Factory Mutual Research (FM Standard 4470) for use as a Siplast Paradiene 20/30 and Paradiene 20/30 FR adhesive in Class 1 insulated steel roof deck constructions and insulated and non-insulated concrete roof deck constructions, subject to FM conditions and limitations.

PA-311 M Adhesive is approved by Underwriters Laboratories as a substitute for Type IV asphalt for all _{cUL_{us}} Classified Siplast Paradiene and Parafor 50 LT Roof Systems.

PA-311 M Adhesive meets current regional VOC regulations. VOC Content: Does not exceed 220 grams per liter.

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

COMMERCIAL PRODUCT INFORMATION

Unit: 5-Gallon Pail
4.7 gallons (17.8 liters) net content
Unit: 55-Gallon Drum
53 gallons (200.6 liters) net content
Unit: 350-Gallon Tote
350 gallons (1,325 liters) net content

Coverage:		
Base Ply	1½ - 2½ gal/sq	(0.6-1.0 L/m ²)
Inter-ply	1½ - 2 gal/sq	(0.6-0.8 L/m ²)

Thickness @ 1½ gal/sq:	24 mils	(0.6 mm)
Thickness @ 2 gal/sq:	32 mils	(0.8 mm)
	wet film gauge	wet film gauge

Coverage Weight		
@ 1½ gal/sq coverage:	14 lb / square	(0.7 kg/m ²)
@ 2 gal/sq coverage:	19 lb / square	(0.8 kg/m ²)
	wet film weight	wet film weight

Flash Point, Cleveland Open Cup: >105°F min. (41°C)

Recommended adhesive temperature for application - 70°F (21°C) (minimum)

Packaging: The pails are stacked three high on pallets and stretch wrapped.

Pallet: 44 in X 48 in (112 cm X 122 cm) wooden pallet
Number Pails Per Pallet: 42
Number Drums Per Pallet: 4
Number Pallets Per Truckload: 22

Weight Per Pail: 50 lb (22.7 kg)
Weight Per Drum: 563 lb (255 kg)
Weight Per Tote (Full): 4025 lb (1826 kg)

Shipping Classification: White Label (combustible)
Totes shipments require Registered Hazardous Material Carrier and Driver (HazMat).

Storage and Handling: All containers of PA-311 M Adhesive should be stored upright on a clean, flat surface. Care should be taken that containers are not dropped and container seals are not broken prior to use. All containers should be stored in a dry place, out of direct exposure to the elements, and should be kept away from excessive heat, fire, or open flames.