

# PA-100 ASPHALT



## Commercial Product Data Sheet

### Product Description

PA-100 Asphalt is a specially processed, inter-ply mopping asphalt designed for use with guaranteed Siplast Roof Systems. PA-100 is made of high quality asphalts that are oxidized to meet the adhesive requirements for SBS-modified bitumen roof applications.

### Product Uses

PA-100 Asphalt is specifically designed for use with Siplast Paradiene 20/30, Paradiene 40 FR, Parafor 50, and Veral Roof Systems subject to Siplast specifications and roof incline requirements. Contact Siplast for specific approval on other product uses.

### Product Approvals

PA-100 Asphalt is formulated to meet or exceed the requirements of ASTM D 312 Type IV for mopping asphalts used in roofing. PA-100 Asphalt is processed according to the following physical properties.

	Min.	Max.
Flash Point (FP):	575°F (302°C)	
Maximum Heating Temp:		525°F (274°C)
125 cp Equiviscous Temp:	400°F (204°C)	450°F (232°C)
Min. Application Temp:	400°F (204°C)	
Softening Point:	210°F (99°C)	225°F (107°C)
Penetration mm/10:		
@ 32°F (0°C)	6	
@ 77°F (25°C)	12	25
@ 115 F (46°C)		75
Ductility	1.5	
@ 77° F (25°C) cm		
Solubility in:	99	
Trichloroethylene (%)		

### Product Application

All mopping layers of PA-100 must be total in coverage without breaks or voids. Care should be taken not to exceed Siplast recommended mopping weight of 25 pounds per ply per square (1.22 kg/m<sup>2</sup>).

Under cold weather conditions [40°F (4°C) and below including wind chill] special precautions must be taken to ensure that PA-100 Asphalt maintains minimum acceptable temperature at the point of contact with the roofing sheet. PA-100 must not be overheated to compensate for cold conditions. Use of insulated handling equipment is strongly recommended. During application, the PA-100 Asphalt should never be applied more than 5 feet (1.5 meters) ahead of the roll, which should be unrolled continuously at a steady pace. Pressure should be kept on the roll at all times to ensure proper embedment. Air pockets beneath the system or between plies are unacceptable. Any such pockets should be "broomed in" immediately while the PA-100 is hot enough to facilitate a proper bond.

### COMMERCIAL PRODUCT INFORMATION

Coverage: Max: 25 lb/sq (1.22 kg/m<sup>2</sup>)

Unit: Kraft paper carton with metal bottom.

Packaging: The cartons are stacked two high on pallets. The palletized material is protected by a heat shrink, white polyethylene shroud.

Pallet: 40 in X 40 in (102 cm X 102 cm) wooden pallet

Number Cartons Per Pallet: 18

Number Pallets Per Truckload: 25

Weight Per Carton: 100 lb (45.4 kg)

Shipping Classification: DOT Class 55

Storage and Handling: All cartons of PA-100 Asphalt should be stored upright on a clean, flat surface. All cartons 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. All materials should be handled in such a manner as to ensure that they remain dry prior to and during installation.

Current copies of all Siplast Commercial Product Data Sheets are posted on the Siplast Web site at [www.Siplast.com](http://www.Siplast.com).

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Siplast

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