

PA-750 HOT-APPLIED RUBBERIZED WATERPROOFING ASPHALT



Commercial Product Data Sheet

Product Description

PA-750 Hot-Applied Rubberized Waterproofing Asphalt is a hot-applied, rubberized asphalt-based composition used as the primary component in the PA-750 Hot-Applied Rubberized Waterproofing System. PA-750 Hot-Applied Rubberized Waterproofing Asphalt, when used with PA-750 Reinforcing Fabric, is designed as a fast setting, fully bonded, monolithic membrane.

System Uses

The PA-750 Hot-Applied Rubberized Waterproofing System is used to waterproof approved and properly prepared substrates for plaza deck, protected/ballasted, or other covered applications. Contact Siplast for specific approval on other product uses.

Product Heating and Application

For PA-750 Hot-Applied Rubberized Waterproofing, the heating and mixing melter must be of the double-boiler, oil heat transfer type with a built-in agitator and equipped with two functional, permanently-installed dial type thermometers having an accuracy of $\pm 2^{\circ}\text{C}$ to separately measure the temperature of the melted polymer asphalt compound and oil. A portable, hand-held, calibrated thermometer with an accuracy of $\pm 2^{\circ}\text{C}$ to verify the rubberized asphalt temperature prior to and at the point of application must be available on the job site. The heated asphalt is poured or pumped onto the prepared surface, and evenly distributed to a total reinforced thickness of approximately 215 mils (5.4 mm) to form a seamless waterproofing membrane. Please review the Siplast specification for the PA-750 Hot-Applied Rubberized Waterproofing System for detailed installation instructions. Contact Siplast for specific approval on product application and thickness as yields will vary depending upon the substrate conditions.

Recommended Application Temperature: 375°-400°F
(193°-204°C)

At ambient temperatures of 40°F (4°C) and below, special precautions must be taken to ensure that the specified rubberized asphalt maintains a minimum acceptable 375 - 400°F (193 - 204°C) at the point of application. The rubberized asphalt must not be overheated to compensate for cold conditions.

COMMERCIAL PRODUCT INFORMATION

Unit:

Each unit is polyethylene wrapped and boxed in a double walled kraft carton

Application Rate: 155 lb/square (1.55 lb/square foot)

Coverage Per Unit: 19.35 square feet per box

Coverage Rate: 90 mils (base coat)
125 mils (top coat)

Packaging:

75 boxes per pallet
30 lb (13.6 kg) per box
2,250 lb per pallet
20 pallets per truckload

Storage and Handling: All boxes of PA-750 Hot-Applied Rubberized Waterproofing Asphalt should be stored on a clean flat surface. All boxes 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.

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PA-750 HOT-APPLIED RUBBERIZED WATERPROOFING SYSTEM

Property (as manufactured)	Values/Units	Test Method
Flow @ 140°F (60°C) (maximum)	3 mm	ASTM D-5329 CGSB-37.50-M89
Cone Penetration @ 77°F (25°C) @ 122°F (50°C) (maximum)	110 200	ASTM D-5329 CGSB-37.50-M89
Toughness (minimum)	5.5 J	CGSB-37.50-M89
Toughness Ratio (minimum)	0.04	CGSB-37.50-M89
Adhesion Rating	Diagram 1	CGSB-37.50-M89 Figure 8
Water Vapor Permeance (maximum)	1.7 ng/Pa·s·m ²	ASTM E-96 CGSB-37.50-M89
Water Absorption (maximum)	Gain of mass: 0.35g Loss of mass: 0.18g	CGSB-37.50-M89
Low Temperature Flexibility @ -13°F (-25°C)	Pass	CGSB-37.50-M89
Crack Bridging @ -13°F (-25°C)	Pass 10 cycles	CGSB-37.50-M89
Heat Stability	Pass	CGSB-37.50-M89
Viscosity	2-15 seconds	CGSB-37.50-M89
Flash Point (minimum)	500°F (260°C)	ASTM D-92