

## TYPICAL PHYSICAL CHARACTERISTICS FOR MID-STATES TYPE I-IV

**OUR SPECIFICATION:** Mid-states roofing asphalt shall be used. The following shall be printed on the package:

- The ASTM asphalt type
- Flash Point
- EVT

The material shall comply with ASTM D312-00a specification for built-up roofing asphalt.

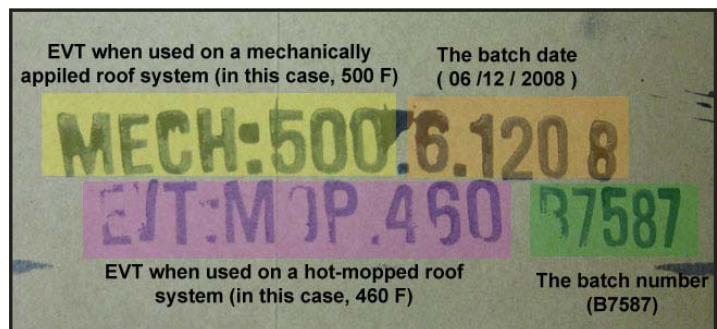
**PHYSICAL PROPERTIES:** flash point of the asphalt shall be 535°F.

- 1) **APPLICATION:** the temperature at the point of application shall be the EVT  $\pm$  25° F. If EVT temperature at the point of application cannot be maintained due to cold, wind conditions, or delays, stop application. The application rate of inter-ply asphalt and flood coat shall be determined by the manufacturer of the BUR system.
- 2) **HEATING INSTRUCTIONS:** Mid-States roofing asphalt shall not be heated closer than 35° F of the materials flash point as noted on the factory package. To minimize “fall back,” maintain the liquid asphalt at the lowest possible temperature for the shorest possible time prior to use. Guidelines for this are as follows:
  - maximum temperature shall not exceed 500° F
  - product shall not be held at temperatures exceeding 475° F for periods longer than four hours

- 4) **STORAGE PRECAUTIONS:** The packaging material is a form only and is not intended for long term exposure to the elements. The following precautions must be observed to assure usability and reasonable storage life:
  - protect from prolonged exposure to direct sunlight or extreme weather conditions
  - do not double stack pallets
  - store pallets only on firm, level surfaces
  - During prolonged periods of high temperature, adequately ventilate closed storage areas to avoid heat build-up.

- 5) **GENERAL:** Mid-States Asphalt does not specifically recommend the type of asphalt to be used on any particular roof. The selection of the asphalt type to be used must be made by the specifier or the roofing system manufacturer based on the many variables including, but not limited to roof slope, weather conditions, type of construction and local roofing practices.

Where to find this information on our carton packaging



**ASTM D312 STANDARD IS BEING LISTED FOR REFERENCE PURPOSES ONLY. ALL MID-STATES ASPHALT MEETS OR EXCEEDS THIS STANDARD**

ASTM D312-00a	TYPE I		TYPE II		TYPE III		TYPE IV		TEST
	MIN	MAX	MIN	MAX	MIN	MAX	MIN	MAX	
SOFTENING POINT (°F):	135°	151°	158°	176°	185°	205°	210°	225°	ASTM D36
FLASH POINT (°F):	500°	—	500°	—	500°	—	500°	—	ASTM D92
<b>MSA FLASH POINT (°F)</b>	<b>535°</b>	—	<b>535°</b>	—	<b>535°</b>	—	<b>535°</b>	—	
PENETRATION, UNITS (dmm):									
@ 32 °F.....	3	—	6	—	6	—	6	—	ASTM D5
@ 77 °F.....	18	60	18	40	15	35	12	25	
@ 115 °F.....	90	180	—	100	—	90	—	75	
DUCTILITY (cm):									
@77 °F.....	10.0	—	3.0	—	2.5	—	1.5	—	ASTM D113
SOLUBILITY IN: TRICHLOROETHYLENE.....	99%	—	99%	—	99%	—	99%	—	