



**UNITED ASPHALTS**

# MAKING ASPHALT EASIER!

100#  
CARTONS

50#  
CARTONS

# 50# ONLY AT UNITED ASPHALTS!

**CARTONS**



## EASIER TO LIFT & LESS CHOPPING

Time is money. Increased speed and less risk of injury due to heavy lifting with our 50# cartons. Same great asphalt, lighter package.

## 50# CARTONS ARE EASY TO SHIP

- 48 Cartons per Pallet
- 960 Cartons per Truckload
- 20 Pallets per Truckload
- 48,000 lbs. per Truckload

## GET THE BEST ASPHALT & PACKAGING

We have utilized the best sources of raw materials for over 50 years ensuring you the highest quality order after order. Our heavy 6 mil. heat-shrink shrouds protect your inventory in the harshest conditions. You can be sure you are offering your customers the best asphalt available!

## TOP LOAD WITH OTHER PRODUCTS



We offer Wood Fiber & Perlite Cant Strip, Tapered Edge, Mops and other products. Contact us today to see the options we have to fill your truck!

## DID YOU KNOW?

- Built-Up-Roofing is one of the best choices under a vegetative roof system.
- You can order both 50lb. and 100lb. cartons & you can top load your order with cant strip and tapered edge.
- We offer free education programs for Distributors, Contractors, Architects, Specifiers and Building owners.

**VISIT OUR WEBSITE FOR THE LATEST ASTM SPECIFICATIONS**

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# Highlights from: ASTM D312/D312M-16a

## Standard Specification for Asphalt Used in Roofing

Recently ASTM D312 was revised to its current edition: ASTM D312-16a. This document will give you a brief overview of the updated requirements.

### Scope:

ASTM D312-16a covers four types of asphalt used for waterproofing or as an adhesive in roofing applications. These are Types I,II,III,IV.

### Physical Requirements:

ASTM D312-16 requires that all asphalts meeting this specification must be homogeneous and free of water. In addition it must meet all physical properties as outlined in Table 1 (excerpt shown below).



	Type I		Type II		Type III		Type IV	
	Min	Max	Min	Max	Min	Max	Min	Max
Softening Point [F]	135	151	158	176	185	205	210	225
Flash Point [F]	575	-	575	-	575	-	575	-
Penetration @ 77 [F]	18	60	18	40	15	35	12	25
Ductility @ 77 [F]	10.0	-	3.0	-	2.5	-	1.5	-
Solubility in Trichloroethylene %	99	-	99	-	99	-	99	-

### Important Specifications:

One very important specification is the Minimum Flash Point of 575 degrees Fahrenheit for all four types of asphalt. This makes the product safer to work with and decreases smoke and fumes at the kettle and on the roof. All asphalt manufactured by United Asphalts meets or exceeds this standard.

Another important specification is the Maximum EVT for Type 3&4 asphalt (Equiviscous Temperature is the ideal temperature for applying roofing asphalt). The Maximum EVT for a Mop application is 430 [F] Type 3 & 455 [F] Type 4. The Maximum EVT for a Mechanical Spreader application is 470 [F] Type 3 & 485 [F] Type 4. Manufacturers are now required to provide lot-specific EVT's on asphalt packaging or the bill of lading.

The maximum kettle temperature should not exceed 550[F].

### Packaging & Marking:

Asphalt kegs are required to be packaged in such a way that they are adequately protected from the normal hazards of handling and shipping. United Asphalts goes well beyond with double banding and a heavy plastic shroud that helps protect the asphalt even after it is delivered.



### For More Information:

To view the complete report visit: <http://www.astm.org/Standards/D312.htm>

[www.unitedasphalts.com](http://www.unitedasphalts.com)