

AC-15XP Product Data Sheet



Description and Physical Properties

AC-15XP is an SBS polymer modified, hot applied asphalt designed for use as a bituminous binder for chip seals. The polymer gives elasticity, reduced temperature susceptibility and durability to the finished chip seal. AC-15XP is supplied in bulk.

Recommended Use

AC-15XP should be applied with well-calibrated distributors. The distributor nozzles and spray bar should be sized and set to deliver the desired shot rate. The shot rate should be determined by a laboratory chip seal design with the project aggregate and the conditions of the existing pavement. The air and pavement temperatures should be sufficiently high to allow the binder to cure. Item 316 of the TxDOT Standard Specifications requires that seal coats and surface treatments be placed when the air temperature is above 50°F and rising. AC-15XP should not be applied when the air temperature is below 60°F and falling. TxDOT further states that no asphalt binders should be applied during rain or imminent threat of rain. If an unexpected shower arises during operations, the asphalt distributor should be shut off immediately and placement of aggregate continued until all asphalt has been covered. This area should be rolled well and watched carefully after opening to traffic. After a rain, operations should always be suspended until the pavement has completely dried.

Physical Properties

Property	Test Procedure	Min	Max
Polymer		SBS	
Polymer content, % (solids basis)	Tex-533-C	3.0	-
Viscosity			
140°F, poise	T 202	1,500	-
275°F, poise	T 202	-	8.0
Penetration, 77°F, 100 g, 5 sec.	T 49	100	150
Elastic recovery, 50°F, %	Tex-539-C	55	-
Polymer separation, 48 hr.	Tex-540-C	None	
Flash point, C.O.C., °F	T 48	425	-
Tests on residue from Thin-Film Oven Test:	T 179		
Retained penetration ratio, 77°F	T 49	0.60	1.00

Storage and Handling

Before being filled, tanks and trucks should be examined for possible contaminants. Recommended use and storage temperatures are given in the table.

Recommended Temperatures	Min	Max
Storage		360°F
Application	300°F	375°F

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Product Data Sheet – AC-15XP.doc rev. 12/18/06