

EXPECTED IMPLEMENTATION JULY 2013

336 ASPHALT RUBBER BINDER. (REV 1-15-13) (FA 1-28-13) (7-13)

ARTICLE 336-3 (Page 280) is deleted and the following substituted:

336-3 Asphalt Rubber Binder.

Thoroughly mix and react the asphalt binder and ground tire rubber in accordance with the requirements of Table 336-1. Accomplish blending of the asphalt binder and ground tire rubber at the project site or asphalt plant, or at the supplier's terminal.

Table 336-1	
Asphalt Rubber Binder	
Binder Type	ARB 20
Minimum Ground Tire Rubber (by weight of asphalt binder)	20%
Binder Grade	PG 67-22
Temperature Range	335 - 375°F
Minimum Reaction Time	30 minutes
Unit Weight @ 60°F ⁽¹⁾	8.8 lbs/gal.
Viscosity Range ⁽²⁾	15.0 - 20.0 Poises @ 350°F ⁽³⁾
<p>(1) Conversions to standard 60°F are as specified in 300-9.3.</p> <p>(2) FM 5-548, Viscosity of Asphalt Rubber by Rotational (Dip-N-Read) Viscometer or AASHTO T 316, Viscosity Determination of Asphalt Binder Using Rotational Viscometer.</p> <p>(3) Binders with values higher than 20.0 Poises should be used with caution and only after consulting with the supplier as to any special handling procedures, including pumping capabilities.</p> <p>NOTE: The Contractor may adjust the minimum reaction time if approved by the Engineer depending upon the temperature, size of the ground tire rubber and viscosity measurement determined from the asphalt rubber binder material prior to or during production. Apply the asphalt rubber binder for use in membrane interlayers within a period of six hours, unless some form of corrective action such as cooling and reheating is approved by the Engineer.</p>	