

9160101 BITUMINOUS MATERIALS
COMMENTS FROM INDUSTRY REVIEW

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Comment: (12-14-09)

How does this change effect products currently listed on the QPL. Will recertification or retesting of products currently list be required, if so how does designation be made on the QPL to identify those products that are allowed on projects let prior to implementation of this specification?

Response: (1-8-10)

Products currently listed on the QPL will be allowed for use on all projects let before this specification is issued. There may be a period of overlap where the QPL includes binders with and without liquid anti-strip agent. The SMO will handle the testing and update of the QPL, as necessary. Products on the QPL will be adequately identified as to whether they contain anti-strip or not. Note that this requirement only applies to PG 76-22 binders. Thank you for the comment.

No changes made.

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Comments: (1-7-10)

As a supplier of EPR-1 the proposed changes in Section 916 are largely acceptable, but the form of the product outlined in Section 916-4.1 is currently diluted to perform properly in the field. Since this is also the case for the other emulsified asphalts used for prime, we recommend that this be addressed in Section 300 Prime and Tack Coats for Asphalt Bases. We suggest that Section 300-2.1 Prime Coat be amended as follows to include the proper EPR-1 Prime dilution:

*300-2.1 Prime Coat: For prime coat, use Cut-back Asphalt Grade RC-70 or RC-250 meeting the requirements of 916-3; Emulsified Asphalt Grades SS-1 or CSS-1, SS-1H, or CSS-1H diluted in equal proportion with water; Emulsified Asphalt Grade AE-60, AE-90, AE-150, or AE-200 diluted at the ratio of six parts emulsified asphalt to four parts water; Special MS-Emulsion diluted at the ratio of six parts emulsified asphalt to four parts water; **EPR-1 Prime diluted at the ratio of one part emulsified asphalt to two parts water;** Asphalt Emulsion Prime (AEP); or Emulsion Prime (RS Type), ~~or EPR-1 Prime~~ meeting the requirements of 916-4, or other types and grades of bituminous material which may be specified in the Contract Documents.*

However, we believe that this dilution should be performed at the manufacturer's location to ensure the accurate addition of water, and this could be addressed by changing the footnote in the EPR-1 Prime specification in Section 916-4.1 as follows:

(e) When used for prime applications, EPR-1 Prime shall be diluted by the manufacturer in accordance with Section 300-2.1. No further dilution of the product will be allowed. In the event that EPR-1 Prime is not used in a 12 hour period, the material shall be thoroughly mixed by circulation or other suitable means prior to use.

Response: (1-8-10)

There was some confusion within the SMO regarding what was considered a diluted product but this has been cleared up. If the manufacturer adds water as part of the manufacturing process (i.e. a dilution of sorts), this is acceptable. The Contractor is not allowed to dilute the material after taking delivery from the manufacturer. **Therefore, the proposed changes will be rescinded.**

We agree with the proposed changes mentioned above for the requirements of EPR-1 Prime, but these will need to be issued for a subsequent specification release, since they have not had a chance to go out for review. No changes made.
