

# Texas Department Of Transportation

## Standard Specifications for Construction of Highways, Streets and Bridges

### 1993 Edition

**Item 300.2**

(7) **Cracked Fuel Oil.** Cracked fuel oil shall meet the following requirements:

| Properties                                | Minimum | Maximum |
|---|---------|---------|
| <b>Asphalt Content of 100 Penetration</b> |         |         |
| a 77 F, % .....                           | 65      | 80      |
| Flash Point, C.O.C., F .....              | 250     | -       |
| Kinematic Viscosity at 140 F, cst.....    | -       | 550     |
| Loss at 212 F, 20 g, 5 hrs. % .....       |         | 3.0     |
| Water and Sediment, % .....               |         | 2.0     |

(8) **Crack Sealer.** This section sets forth the requirements for SSLP polymer modified emulsion suitable for sealing fine cracks, and a rubber asphalt compound suitable for sealing cracks 1/8 inch or greater width. For cracks on the order of 1/8 inch width, HFRS-2P polymer modified emulsion as described in Section (4), Table 9 of this item may be used. Requirements for SS-IP and rubber-asphalt crack sealing compound are as follows:

(a) **SS-IP Polymer Modified Emulsion.** Specific requirements are as follows:

| Properties  | Minimum | Maximum |
|---|---------|---------|
| Polymer Content, percent by weight of the         |         |         |
| distillation residue* .....                       | 3.0     | -       |
| Viscosity, Saybolt Furol at 77 F, sec .....       | 30      | 100     |
| Storage Stability Test, one day, % .....          | -       | 1       |
| Cement Mixing, 90 .....                           | -       | 2.0     |
| Sieve Test, % .....                               | -       | 0.10    |
| Miscibility (Standard Test) .....                 | Passing |         |
| -Distillation:                                    |         |         |
| Oil distillate, by volume of emulsion, % .....    | -       | 1/2     |
| Residue, % .....                                  | 60      |         |
| <b>Requirements on Residue from Distillation:</b> |         |         |
| Penetration, 77 F, 100g, 5 sec.....               | 100     | 140     |
| Ductility, 39.2 F, 5 eni/min, cm.....             | 50      | -       |
| Solubility in trichloroethylene, % .....          | 97      |         |
| Viscosity at 140 F, poises .....                  | 1300    |         |