

SUDAS Revision Submittal Form

Status Date: As of 5/7/2021 **Topic:** Butyl rubber sealant
Manual: Specifications **Manual Location:** Section 6010, 2.09, A, 2, d

Requested Revision:

2.09 MANHOLE OR INTAKE ADJUSTMENT RINGS (Grade Rings)

- A. Use one of the following materials for grade adjustments of manhole or intake frame and cover assemblies:
1. Reinforced Concrete Adjustment Rings: Comply with ASTM C 478. Provide rings free from cracks, voids, and other defects.
 2. High Density Polyethylene Adjustment Rings: Comply with ASTM D 1248 for recycled plastic.
 - a. Test and certify material properties by the methods in the following table.

Table 6010.02: Test Methods

Property	Test Method	Acceptable Value
Melt Flow Index	ASTM D 1238	0.30 to 30 g/10 min.
Density	ASTM D 792	0.94 to 0.98 g/cm ³
Tensile Strength	ASTM D 638	2,000 to 5,000 lb/in ²

- b. Do not use polyethylene grade adjustment rings when they are exposed to ~~HMA pavement~~ or heat shrink infiltration barriers.
- c. When used in a single configuration, provide tapered adjustment ring with thickness that varies from 1/2 inch to 3 inches.
- d. Install adjustment rings on clean, flat surfaces according to the manufacturer's recommendations with the proper butyl rubber sealant/adhesive. **Comply with ASTM D 36 with minimum 350°F softening point for butyl rubber sealant.**

Reason for Revision: Added softening point requirement for use of high density polyethylene adjustment rings in asphalt.

Comments: None.

District: 1 2 3 4 5 6 **April 2021 Webinars**

Comments: None.

Action: Deferred Not Approved Approved

Final District Action Summary: All 6 districts approved.

Board of Directors Action: Approved.