

## Evaluation Table

<b>PEP ID:</b>	<b>XXXXX</b>
<b>Manufacturer:</b>	<b>Name of Manufacturer</b>
<b>Product Name:</b>	<b>Name of Product</b>

908 Detectable Warning Device

908 Embedded Tactile Warning Surfaces (Polymer Concrete Tiles and Panels)

ADOT Standard Specification: 908, also see DWD Guidelines

ADOT Standard Drawing: C-05.30 Sheet 7

Responsible Section: Roadway Group

<b>Material Property</b>	<b>Specification/ Test Method</b>	<b>Requirement</b>	<b>Results</b>	<b>Pass/ Fail</b>
Dome Base Diameter, inches	DWD Guidelines C-05.30, Sheet 7	0.9 - 1.4		
Dome Top Diameter, %	DWD Guidelines C-05.30, Sheet 7	50 - 65% of base diameter		
Dome Height, inches	DWD Guidelines C-05.30, Sheet 7	0.2		
Dome Spacing, Center to Center, inches	DWD Guidelines C-05.30, Sheet 7	1.6 - 2.4		
Dome Spacing, Base to Base, inches	DWD Guidelines C-05.30, Sheet 7	0.65 minimum		
Installation Instructions	DWD Guidelines	Manufacturers shall provide detailed installation instructions.		
Fabrication	DWD Guidelines	Detectable warning strip components shall be pre-fabricated. There shall be no on-site fabrication of truncated domes.		
Skid Resistance	DWD Guidelines	Detectable warning strips shall be skid resistant.		
Flexibility	DWD Guidelines	Detectable warning strips shall be rigid, inflexible, and non-yielding.		
Flammability	DWD Guidelines	Detectable warning strips shall be non-flammable.		
Average Compressive Strength, minimum, psi	DWD Guidelines ASTM C109	8,000		
Average Flexural Strength, minimum, psi	DWD Guidelines ASTM C293	3,000		
Average Splitting Tensile Strength, minimum, psi	DWD Guidelines ASTM C496 or ASTM C1006	1,500		
Impact Strength, minimum, inch-lbs.	DWD Guidelines ASTM D5420	550		
Average Water Absorption, maximum, %	DWD Guidelines ASTM D570	1		

<b>Material Property</b>	<b>Specification/ Test Method</b>	<b>Requirement</b>	<b>Results</b>	<b>Pass/ Fail</b>
Resistance to a minimum of 50 freeze-thaw cycles, maximum	DWD Guidelines ASTM C666	0% material loss		
		20% relative dynamic modulus elasticity loss		
Color Change $\Delta E$ on the panel when weathered for 2000 hours with UV light, with spray and condensation in the cycles, maximum	DWD Guidelines ASTM G155	5.0		
Abrasion resistance test, average thickness loss, Maximum, inches (mm)	DWD Guidelines ASTM C418	0.118 (3)		
Slip Resistance, minimum	DWD Guidelines ASTM C1028	Dry: 0.8		
		Wet: 0.6		