

Evaluation Table

PEP ID:	XXXXX
Manufacturer:	Name of Manufacturer
Product Name:	Name of Product

908 Detectable Warning Device

908 Surface Mounted Tactile Warning Surfaces (Composite Tiles, Vitrified Polymer Panels)

ADOT Standard Specification: 908, also see DWD Guidelines

ADOT Standard Drawing: C-05.30 Sheet 7

Responsible Section: Roadway Group

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
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 D659	18,000		
Average Flexural Strength, minimum, psi	DWD Guidelines ASTM D790	24,000		
Average Tensile Strength, minimum, psi	DWD Guidelines ASTM D638	10,000		
Color Change ΔE 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		

Material Property	Specification/ Test Method	Requirement	Results	Pass/ Fail
Flame Spread Index, maximum	DWD Guidelines ASTM E84	25		
Exposure to Chemicals	DWD Guidelines ASTM D543	No change on the panel		
Impact Strength, minimum, inch-lbs.	DWD Guidelines ASTM D5420	550		
Average Water Absorption, maximum, %	DWD Guidelines ASTM D570	0.5		
Slip Resistance, minimum	DWD Guidelines ASTM C1028	Dry: 0.8		
		Wet: 0.6		
Anchor Pullout Strength	DWD Guidelines ASTM E754 or ASTM E488 or ASTM E1512	Report Only		
Adhesion Bond Strength	DWD Guidelines ASTM C1583	Report Only		