

**OKLAHOMA DEPARTMENT OF TRANSPORTATION
SPECIAL PROVISIONS
FOR
TACTILE WARNINGS**

These Special Provisions revise, amend, and where in conflict, supersede applicable sections of the 1999 Standard Specifications for Highway Construction, English and Metric. Units of measurement are provided in the subsections in both English and Metric equivalents. The units for this project shall be those specified in the project plans.

729.01. ADA Compliant Tactile Warnings - Pre-formed Modular Concrete

- A. Compressive Strength when tested by ASTM-D 695-91 shall be 10,000 PSI minimum.
- B. Slip Resistance when tested by ASTM-C 1028 combined wet / dry friction coefficient shall be 0.70 on top of domes and remaining areas.
- C. Color of cured material shall provide a minimum of 70% contrast with surrounding surfaces (light on dark or dark on light) as determined by:

$$Contrast = \frac{B_1 - B_2}{B_1} \times 100$$

where:

- B1 = light reflectance value (LRV) of the lighter area
- B2 = light reflectance value (LRV) of the darker area.

729.02. ADA Compliant Tactile Warnings - Surface Applied Mats

- A. Tensile Strength of Mat when tested by ASTM-D412 shall be 1,100 PSI minimum.
- B. Slip Resistance of Mat when tested by ASTM-C1028 combined wet / dry friction coefficient shall be 0.70 on top of domes and remaining areas.
- C. Color of material shall provide a minimum of 70% contrast with surrounding surfaces (light on dark or dark on light) as determined by:

$$Contrast = \frac{B_1 - B_2}{B_1} \times 100$$

where:

- B1 = light reflectance value (LRV) of the lighter area
- B2 = light reflectance value (LRV) of the darker area.

Tactile warning surfaces that are stamped into the sidewalk or ramp surface, when wet, are not allowed.