

**SOUTH CAROLINA DEPARTMENT OF TRANSPORTATION  
QUALIFIED PRODUCT POLICY FOR  
QUALIFIED PRODUCT LIST 61 - DETECTABLE WARNING SURFACES**

This policy covers Detectable Warning Surfaces used on curb ramps, landings, or blended transitions to serve as a physical and/or visible warning of the transition between such an area and the street.

Prior to being placed on **Qualified Product List 61**, the Detectable Warning Surface must be manufactured in conformance to the Department's Standard Drawings (720-9xx-xx) and must meet the specifications of the Revised Draft Guidelines for Accessible Public Rights-Of-Way, November 23, 2005.

**Wet Inset** application systems are installed into the structure of the ramp/sidewalk. Wet Inset systems are suitable for new construction and locations where ramp/sidewalk modifications are acceptable or otherwise required. These systems include composite plates with anchor studs, brick, and cast iron. The detectable warning main surface is to be constructed flush with the ramp/landing surface with only the domes projecting above as shown in the SCDOT Standard Drawings.

Common Systems available include:

- Composite Tiles** (typically rigid tiles to be embedded into poured concrete)
- Composite Plates** (typically larger rigid plates with projections into poured concrete)
- Metal Plates** (rigid plates to be embedded into poured concrete)
- Cement Tiles** (rigid cement based plates to be embedded into poured concrete)
- Brick** (Masonry units to be embedded into poured concrete)

**Dry Bonded** application systems are bonded to existing surfaces that are appropriate geometrically and do not require any other modifications. These systems include composite mats and tiles. These systems should generally only be used where existing ramps are retrofitted with detectable warning surfaces. The detectable warning surface is to be surface applied with a grouted transition edge as required in the SCDOT Standard Drawings.

Common Systems available include:

- Composite Tiles** (typically thin rigid tiles to be surface mounted to sidewalk)
- Composite Mats** (typically flexible rolls or strips to be surface mounted to the sidewalk)

Only manufactures will be listed on the **Qualified Product List 61**. Distributors may only provide detectable warning systems shown on **Qualified Product List 61** for use within SCDOT right-of-way.

Detectable warning surfaces shall contrast visually with adjacent gutter, street or highway, or walkway surface, either light-on-dark or dark-on-light. The Department's default color is "safety yellow" (Federal Color No. 33538) for the Detectable Warning Surface. If a specific project requires another color, the designer must specify in the plans or special provisions that detectable warning surfaces shall contrast visually with adjacent gutter, street or highway, or walkway surface either light on dark or dark on light. The contrasting color may be provided on the full ramp surface, but should not extend to the flared sides of the ramp.

SCDOT reserves the right to make revisions to the testing requirements for Detectable

Warning Surfaces and to use sound engineering judgment of any feature there on, as it deems necessary in determining product compliance. It will be the responsibility of the manufacturer making the request for qualification to see that any new specifications are met. Submit information for new products using the attached product information form. Submit changes to company contact information on company letterhead. The product is subject to inspection on each project and must meet acceptance criteria discussed here in. If for any reason, a company's product no longer meets these qualifications, the product will be removed from the list.

SCDOT does not have an obligation to use any products on **Qualified Product List 61**. **Qualified Product List 61** simply documents the fact that the listed products have been evaluated under SCDOT Standards and found acceptable for use within SCDOT right-of-way.

**PRODUCT INFORMATION FORM FOR  
QUALIFIED PRODUCT LIST 61 - DETECTABLE WARNING SURFACES**

When submitting detectable warnings for review by the Department, manufacturer must submit the following for each different model/type:

1. A sample (minimum 1 foot x 2 feet, which may include multiple pieces).
2. A letter certifying compliance with SCDOT Standard Drawings 720-9xx-xx
3. This Detectable Warning System Product Information Form:

Manufacturer Name: \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_

State, Postal Code \_\_\_\_\_

Company Website \_\_\_\_\_

Contact Name: \_\_\_\_\_

Contact Email: \_\_\_\_\_

Phone Number \_\_\_\_\_

Fax Number \_\_\_\_\_

Trademark Name: \_\_\_\_\_

**Wet Inset Systems**

Wet Inset system? Brick / Metal Plate / Cement Tile / Composites: C. Tile / C. Plate / Other

Describe other: \_\_\_\_\_

**Dry Bonded Systems**

Dry Bonded system? Composites: C. Tile / C. Mat / Other

Describe other: \_\_\_\_\_

Is this product available in Safety Yellow? Yes / No

Colors Available: \_\_\_\_\_

Standard Sizes: \_\_\_\_\_

Special requirements for field cutting: \_\_\_\_\_

Please send sample, certification letter and this form to:

Henry Cross / 955 Park Street, Room 409 / Columbia, SC 29201 / (803) 737-1850