

Standard Guidelines for Product Review
REFLECTIVE BARRIER PANELS;
Section 00225.12

August, 2016

00225.12 – Reflective Barrier Panels

ODOT maintains a list of products suitable for mounting on the side of concrete barriers to reflect headlights and give positive linear delineation to traveling motorists. These products generally have retro-reflective sheeting laminated to a rigid substrate that is molded into shapes allowing a variety of angles with the approaching light.

Specifications:

- Colors for each panel shall be silver-white or fluorescent orange. Per Standard Specification 02910. Silver-white sheeting shall meet ASTM D4956 Type III or IV. Fluorescent orange sheeting shall meet ASTM D4956 Type VIII or IX.
- Panels shall be 6" in width and 36" long. It shall be designed so as to provide retro-reflectivity across a wide range of entrance and observation angles using a raised, shaped or multi-angled surface. Flat sheeting on the barrier face will not be sufficient.
- Material and attachment mechanism shall be durable enough to withstand wind blasts created by large vehicles that frequently occur at the concrete barrier face within the work zone.
- The attachment to the barrier face shall be secure, but allow for removal that minimizes physical or visual damage to the barrier.
- The panel shall not interfere with the crash-worthiness of the barrier.

We require positive determination that Material delivered to the Project is the same Material covered by this review. There shall be an identification plate or mark, decal, sticker, label, or tag attached to the container or material.

To apply for inclusion on the QPL, submit two copies of each of the following:

- [Preliminary Information for Product Evaluation Form.](#)
- Detailed spec data sheet.
- MSDS for the recommended adhesives if appropriate.
- Three samples of the silver-white color, and three of the fluorescent orange.
- Documentation showing the retro-reflective performance of the sheeting as mounted on the substrate.
- Detailed Installation Instructions.
- List of limitations and precautions.
- Pictures, brochures, videos, etc.

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Sent documentation and submittal forms to:

Oregon Department of Transportation
Product Evaluation Coordinator
800 Airport Road SE
Salem OR 97301-4798