Product ID: 8250-2-3-7-3
Initiation Date: January 29, 2019
Revision Date: November 8, 2022
Expiry Date: November-2023

Product Evaluation

RE: Review of Oralite 7900 Wide Observation Angle prismatic Sheeting

PRODUCT

Oralite 7900 Wide Observation Angle prismatic Sheeting is manufactured and distributed by Orafol Canada INC located in Oakville, Ontario. Product web link: https://www.orafol.com

VENDOR CLAIMS AND INFORMATION

CLAIMS

ORALITE® retroreflective films series 7900 Brilliant Grade are highly reflective, weatherproof, self-adhesive films with excellent corrosion and solvent resistance. ORALITE® 7900 sheeting is composed of a UV stabilized acrylic front film. Its retroreflective system consists of sealed cells of air backed microprisms, using total internal reflection. ORALITE® 7900 exceeds the minimum performance requirements of ASTM D 4956-17 type IX. The sheeting conforms to the daytime colour requirements. Oralite 7900 has excellent UV digital and screen printability.

DESCRIPTION

ORALITE® 7900 is available in standard colours white (010), yellow (020), orange (035), red (030), green (060), blue (050) and brown (080) and fluorescent colours yellow-green (029), yellow (037) and orange (038). The adhesive consists of a solvent polyacrylate, permanent pressure sensitive adhesive formulated for the application onto metallic surfaces such as aluminium and zinc coated steel plate. The adhesive is protected by a release liner made of polypropylene film, silicone coated on one side.

POTENTIAL USAGE

Oralite 7900 Wide Observation Angle prismatic Sheeting is ideal for permanent traffic signs, and other types of safety devices requiring high visibility, legibility and durability.

STANDARDS

ASTM D4956: Standard Specification for Retroreflective Sheeting for Traffic Control
AASHTO M268: Standard Specification for Retroreflective Sheeting for Flat and Vertical Traffic Control Applicatio

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product. Alberta Transportation uses reflective sheeting material conforming to Standard Specifications for Highway Construction, Specification 5.18.

APPLICATION STANDARDS

Standard Specification for Highway Construction, Specification 5.18 Supply of Permanent Highway Signs, Posts and Bases, Best practices Guidelines for Sign materials(Alberta Transportation), Design Bulletin #62 2016

RECOMMENDATIONS

Oralite 7900 Wide Observation Angle prismatic Sheeting be listed as a Potential Product under Alberta Transportation Product List, Signs and Support System – Reflective Sheeting - Warning Signs – Proprietary, based on the information provided. This product substantially meets AT's requirement.

RESTRICTIONS ON USE

Caveat: Careful installation must be made sure to attain desired Coefficient of Retro reflectivity(Ra). Appropriate color should be used based on type of application.

TRIALS

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