

Product Evaluation

PRODUCT INFORMATION

Product Name: RenewWall
Website: www.rmpglobal.com

Manufacturer: RMP Global, Inc., San Diego, CA, USA
Supplier: RMP Global, Inc., San Diego, CA, USA

RE: RenewWall

VENDOR CLAIMS AND INFORMATION

CLAIMS

RenewWall system is designed as a field installed system whether ground mounted, structure mounted or erected on / adjacent to buildings.

DESCRIPTION

Rotationally molded plastic sound wall with a generic composition of LLDPE (Polyethylene) and steel cross bracing. Dimensions for single panel are 8' x 4' x 6", panels can be brought together to create up to 24' post spacings. Weight per panel is 100lbs. The system is delivered in accordance with contract plans or order in ready for install condition including all necessary holes in columns, retention plates, base plates, nuts, bolts, washers, plus other which may be included within the scope of supply of the barrier wall system manufacturer.

POTENTIAL USAGE

RenewWall is to be used for reducing and mitigating environmental noise from traffic, enhancing the acoustic comfort of nearby residential areas.

STANDARDS

ASTM E90 - Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements

ASTM D638 - Standard Test Method for Tensile Properties of Plastics

ASTM D790 - Flexural Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials

ASTM D4812 - Standard Test Method for Unnotched Cantilever Beam Impact Resistance of Plastics

ASTM D1996 - Performance of Exterior Windows, Curtain Walls, Doors, and Impact Protective Systems Impacted by Windborne Debris in Hurricanes

ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials

ASTM G154 - Standard Practice for Operating Fluorescent Ultraviolet (UV) Lamp Apparatus for Exposure of Materials

ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS

EXPERIENCE

Transportation and Economic Corridors has no experience with this product.

APPLICABLE STANDARDS

Transportation and Economic Corridors does not have standard for Sound Attenuation products.

RECOMMENDATIONS

RenewWall be listed as a Potential Product under Transportation and Economic Corridors Products List, Sound Attenuation Wall Systems – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

1. A site-specific structural design based on geotechnical information shall be performed for each individual project and application.
2. Design drawings and construction specifications shall be sealed and signed by a Professional Engineer registered in Alberta.
3. This product must be located according to the clear zone, mitigation strategy and barrier requirements as indicated in the Alberta Transportation Roadside Design Guide.

TRIAL PROJECTS

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