



Monoglass Spray-On

DATASHEET



Product Name Monoglass Spray-On Insulation, Glass Fibre Insulation Spray Applied for Thermal and Acoustic Applications.

Manufacturer Address
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Product Description Basic Use
Monoglass Spray-On is intended for use in residential and commercial construction, for use as a thermal and acoustic insulation. It can be sprayed onto most surfaces, in walls and ceiling applications.

Composition And Materials

Monoglass Spray-On is made from 25% recycled glass, is inorganic, non-toxic, odourless, and white for high light reflectance. Monoglass is a non-combustible product, and contains no cellulose or asbestos. The polymer adhesive used to apply Monoglass Fibre is water based and non-hazardous.

Applications

Monoglass bonds to concrete, wood, steel, gypsum, rigid fibreglass and plastic insulations. The pneumatic application allows it to be spray applied to virtually any surface configuration.

Limitations

Maximum thickness to be spray applied on overhead surfaces without mechanical support is 5" (R-20). Higher R-Values can be achieved with mechanical support, contact Monoglass Inc. for details.

Maximum thickness to be sprayed on vertical surfaces without mechanical support is 7" (R-28).

Monoglass Adhesive must be kept from freezing. Monoglass cannot be applied when ambient and substrate temperatures are below 1°C/34°F during the application and until the product is completely dry to the substrate.

Adequate dry heat and ventilation must be supplied at low temperatures.

Monoglass Fibre should be kept dry during shipping and storage prior to installation.



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Technical Data

Applicable Standards

American Society for Testing and Materials (ASTM):

- Fire Hazard ASTM E84-79: Flame Spread = 0, Smoke Developed = 0.
- Thermal Conductivity ASTM C518: R-Factor = 4.00/inch K-Factor = 0.25.
- Noise Reduction Coefficient ASTM C423-77: .80 - .85 NRC 1.4" on solid backing.
- Dry Density ASTM D1622-83: 2.8 pounds/cubic foot.
- Non-Combustibility ASTM E-136-82: Non-Combustible.
- Air Erosion ASTM 859: No Weight Loss.
- Adhesion/Cohesion ASTM E-736-86: Passed.
- Fungal Bacterial Resistance ASTM G-21: No Growth.

Acceptances

- National Building Code, Canada: CCMC10025-R.
- U.S. Coast Guard & Canada Board of Steamship Inspection.
- New York City Building Standards: MEA 333-88M.
- State of California: CA-T318CN.
- British Standard: BS-476 pt 4.
- International Marine Organisation: IMO A-472.
- South Africa Bureau of Standards and International Standards Organisation: Thermal, Acoustic & Non-Combustibility.

Installation

Monoglass Spray-On shall be installed in accordance with manufacturer's instructions, using only Monoglass Bonding Adhesive with Monoglass Fibre. Contact Monoglass Inc. for further details.

Monoglass can be applied to most surfaces, however all surfaces should be inspected to ensure they are dry, clean, free of oil, grease, dirt, loose paint, mill scale or other deleterious material that would impair bond or cause staining of the product.

The Monoglass surface can be left untamped for conventional finishes, or tamped and over-sprayed for flatter finish, or painted.

Availability And Cost

Monoglass Spray-On insulation is available throughout Canada, the United States, and many countries worldwide. Contact Monoglass Inc. (1-888-777-2966) for the names of contractors and Monoglass Agents in your area.

Technical Assistance

Please contact Monoglass Inc. or your Monoglass Agent for technical assistance, complete product literature and test reports.

The forgoing information is believed to be accurate at the time of preparation of this document, and is provided in good faith. However, no warranty or representation with respect to such information is intended or given.