TECHNICAL DATA SHEET

Spray Thermal/Acoustic Insulation Divisions 7& 9

Product Name

Monoglass® Spray-On Insulation, Glass Fiber Insulation Spray Applied for Thermal and Acoustic Applications.

Manufacturer

Monoglass® Incorporated
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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 wall and ceiling applications.

COMPOSITION & MATERIALS Monoglass® Spray-On is made from 58% recycled glass, is inorganic, non-toxic, odorless, 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® Fiber is water based and nonhazardous.

APPLICATIONS

Monoglass® bonds to concrete, wood, steel, gypsum, rigid fiberglass, plastic insulations and most painted surfaces. 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).

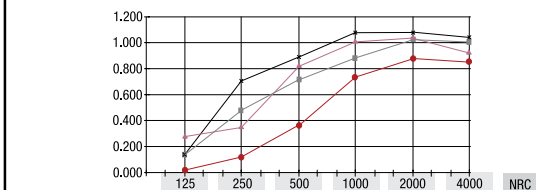
Monoglass® Adhesive must be kept from freezing. Monoglass® cannot be applied when ambient and substrate temperatures are below 1°C / 34°F during the application and until the product is completely dry to the substrate. Adequate dry heat and ventilation must be supplied at low temperatures. Monoglass® Fiber should be kept dry during shipping and storage prior to installation.

Technical Data

APPLICABLE STANDARDS

- Surface Burning Characteristics
  ASTM E84, UL723, CAN S102
  Flame Spread = 0,
  Smoke Developed = 0
- Thermal Conductivity ASTM C518:
  R-Factor = 4.00/inch K-Factor = 0.25
- Noise Reduction Coefficient
  ISO 354: NRC .75@1" NRC .95@2"
  ASTM C423: NRC .55@ 0.7"
  NRC .80@1.4" on solid backing
- Dry Density ASTM C-518
  2.2 pounds/cubic foot
- Non-Combustibility ASTM E-136
  CAN S114: Non-Combustible
- Air Erosion ASTM 859:
  No Weight Loss or Damage
- Adhesion/Cohesion Bond Strength
  ASTM E-736: Passed
- Fungal Bacterial Resistance
  ASTMG-21 & MIL STD810F: No Growth
- Low VOC content CDPH / EHLB
  Standard Method v1.2-2017.
  1.74 g/l undiluted.

Sound Absorption / Noise Reduction Coefficients



	125	250	500	1000	2000	4000	NRC
0.7" Monoglass	0.020	0.123	0.385	0.736	0.859	0.835	.55
1.0" Monoglass	0.150	0.430	0.710	0.870	1.010	1.000	.75
1.4" Monoglass	0.267	0.363	0.816	1.008	1.074	0.916	.80
2.0" Monoglass	0.150	0.710	0.890	1.080	1.080	1.040	.95

Frequency (Hz)

ACCEPTANCES

- GreenSpec Approved Product
- California Dept. of Public Health VOC emissions: Classroom & Office
- National Building Code, Canada: CCMC 10025-R
- New York State Building Standards: MEA 333-88M
- State of California: CA-T318CN
- British Standard: BS-476 pt4
- International Marine Organization: ISO 1182:1990
- South Africa Bureau of Standards and International Standards Organization: Thermal, Acoustic & Non-Combustibility

Installation

Monoglass® Spray-On shall be installed in accordance with manufacturer's instructions, using only Monoglass® Bonding Adhesive with Monoglass® Fiber. 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. Monoglass® can also be applied with Monoglass® pre-tinted adhesives, or painted to the desired colour.

Availability & Cost

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

test&data
specs now online
www.monoglass.com

Technical Assistance

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