



## 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 37% recycled glass, is inorganic, non-toxic, odorless, and white for high light reflectance. **Monoglass®** is a noncombustible 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

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  
ISO 354: NRC .75@1" NRC .95@2"  
ASTM C423-77: NRC .55@0.7" NRC .80@1.4"
- Dry Density  
ASTM D1622-83: 3.0 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-21-90: No Growth

#### ACCEPTANCES

- GreenSpec Approved Product
- Canada Board of Steamship Inspection
- 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

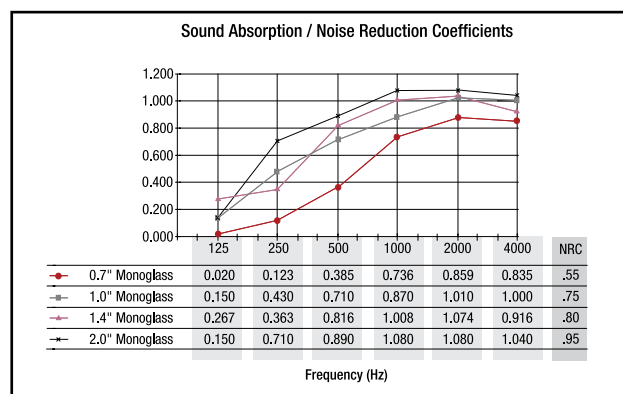
**Monoglass® Spray-On** shall be installed in accordance with manufacturer's instructions, using only **Monoglass® Bonding Adhesive** with **Monoglass® Fiber**. Contact **Monoglass® Inc.** for further details.

**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.



#### Technical Assistance

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