



# MONOGLASS® TEST REPORT SUMMARY

## Monoglass® Test Data

Monoglass® has been tested to the following Test Standards applicable to spray applied thermal and/or acoustic insulation. Complete copies of test reports are available for your review on our website: [www.monoglass.com](http://www.monoglass.com) or simply call us to receive a copy by fax.

Please contact **Monoglass® Incorporated** if you have any questions regarding this information.

PROPERTY	TEST	REQUIREMENT	RESULT
Thermal Characteristics	ASTM C-518-76		R-4.00/inch
Noise Reduction Coefficient	ASTM C-423-77 ISO 354		0.7" = .55 NRC 1.4" = .80 NRC 1" = .75 NRC 2" = .95 NRC
Sound Transmission	ASTM E-90-85		STC 28: 37.5 mm Monoglass® on .5mm metal sheet
Field Sound Transmission Loss	Test No. 113-601		FSTC 55: 1" Monoglass® on concrete
Air Erosion	ASTM E-859		No Weight Loss or damage
Light Reflectance	GE reflectivity		80-85%
Vibration Resistance Type 1	CGSB 51-GP-11M	Maximum 0.5%	Passed: 0.02%
Field Density	ASTM D-1622-83 CGSB-51-GP-36P		3.0 lbs/ft³ 2.6 lbs/ft³
Bond Strength (Adhesion / Cohesion)	ASTM E736 CGSB 51-GP-36P	Not less than 1.7 kPa	Passed: 4.062 kPa
Moisture Absorption	CGSB 51-GP-36P	Maximum 20%	Passed: 4.9%
Fungus & Bacterial Resistance	ASTM G-21-90		Zero Rating - No Growth
Non-Combustibility	CAN 4-S114-78 ISO 1182-90 / Part 1 of IMO FTP Code ASTM E-136-82		Passed: Non-Combustible
Fire Hazard Classification / Surface Burning Characteristics	ASTM E84-79 ULC S-102-M88		0 Flame Spread 0 Fuel Contribution 0 Smoke Developed
Fire Gas Toxicity	Univ. of Pittsburgh Protocol		Passed Max CO₂: 3.5% Max CO: 0.30%

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## Acceptances

- National Building Code Canada  
CCMC #10025-R
- New York State Building Standards  
MEA #333-88M
- State of California  
CA-T318(CN)
- GreenSpec  
Green Building Material - Approved

## Marine Approvals

- International Marine Organization  
Non-Combustible Material as tested to  
ISO 1182-90 / Part 1 of IMO FTP Code
- Lloyd's Register EMEA Certificate of Fire  
Approval No. SAS F030479
- Canadian Coast Guard  
Board of Steamship Inspection  
Approved Material, Certificate No. F1-319
- China Register of Shipping  
321-97-22

## INTERNATIONAL STANDARDS

British Standards	Surface Spread of Flame	BS-476 Part 4: Class 1
South African Bureau of Standards (SABS)	Thermal	Report 722/82316/KK41 : ISO 8301:1991
	Acoustic	Report 717/85190/K30 : ISO 354:1985
	Non-Combustibility	Report 0177 Part 3 & 5 : ISO 1182:1990
International Standards Organization (ISO)	Thermal	ISO 8301:1991 / ASTM C518 / SABS 722
	Acoustic	ISO 354:1985 / ASTM C423 /SABS 717
	Non-Combustibility	ISO 1182:1990 / CAN 4-S114 / SABS 0177