



QUIK-SHIELD® | 106

1/2 lb Spray Foam Insulation

QUIK-SHIELD® | 106 is a 1/2 lb., spray-applied, polyurethane foam. It is ideal for use as a high-performance insulating air barrier and as part of an energy efficient building envelope.

QUIK-SHIELD® | 106 is a low odor, low VOC foam product. Certified for use in the U. S. and Canada, it helps provide a healthy and comfortable indoor environment.

QUIK-SHIELD® | 106 has been tested by a third party laboratory (Intertek Testing Services NA, Inc.) and evaluated by Priest and Associates Fire Consultants, LLC., whom have deemed the testing as acceptable with the requirements outlined in IRC Section 316.6 and IBC Section 2603.10. Quik-Shield 106 can be installed in an unvented attic without the use of a code prescribed ignition barrier or intumescent fire protective coating. See IRR-1011 Report, section 4.4.2.4 and certificate.

QUIK-SHIELD® | 106 provides effective insulation with an R-Value of 4.0 per inch per AC 377*, and can reduce heating and cooling costs by up to 40%.

QUIK-SHIELD® | 106 is environmentally friendly.

- More than 13% pre-consumer recyclable/rapidly renewable content based on weight
- Reduces energy consumption
- Zero ozone depletion
- Low VOC
- Improves indoor air quality
- Promotes sustainable design



*R-value of 3.7 per inch at 3.5" or greater

Tested & Approved

QUIK-SHIELD® | 106 is IRR-1011 approved and helps qualify for LEED points



QUIK-SHIELD® | 106 : An Ideal Insulation Solution.

Open-cell insulation foam is an ideal way to efficiently insulate a building by creating an effective air barrier.

Compared to traditional insulation methods, open-cell spray foam insulation provides higher energy efficiency, premium R-values, better noise reduction and better moisture and condensation control. It is an essential part of an integrated building envelope that helps a structure perform more efficiently.





QUIK-SHIELD | 106

1/2 lb Spray Foam Insulation—Specifications

ACCEPTANCE & COMPLIANCE

APPROVALS/ COMPLIANCE:

IRR-1011
 Class 1— ASTM E-84 (Flame<25, Smoke<450)
 IRC Section 316.6 and IBC Section 2603.10. – Ignition barrier not required in unvented attics
 E-84
 Type I-V construction

WIRING & PLUMBING:

Quik-Shield® | 106 is fully compatible with typical electrical wiring coverings as well as direct contact with CPVC piping systems (Paschal Engineering Study for the SPFA).

WATER ABSORPTION:

Water can be forced into any open-cell foam under pressure. Water will drain with gravity allowing wet foam to fully dry and restore all chemical and physical properties of the insulation.

LEED INFORMATION:

Quik-Shield® |106 has a minimum of 19.7% total renewable/ recycle content (2.6% pre-consumer recycled, 3.4% post-consumer recycled, 13.7% rapidly renewable).

Quik-Shield® |106 raw materials are blended in Mesa, Arizona. Actual polyurethane end product production is done on-site by the applicator.
 VOC level of the finished product is less than 1%.

WARRANTY:

SWD warrants Quik-Shield spray foam insulation, when installed by an approved contractor and applied in accordance with application standards, will not sag or settle for the life of the building. The product will meet the written liquid component specifications as indicated on the product data sheet published at the time of the purchase.

PHYSICAL PROPERTIES

RELATIVE INSULATION VALUES (aged):

R-value at 1" 4.0
 R-value per inch at ≥ 3.5" 3.7

REACTIVITY PROFILE/ HAND MIX: (@ at 24°C)

Cream Time (seconds)	3-6
Gel Time (seconds)	5-9
Tack Free Time (seconds)	13-20
Rise Time (seconds)	17-24
Cure Time @ 75°F (hours)	24

HANDLING PROPERTIES:

	A Side	B Side
Viscosity, cps	250	500
Specific Gravity	1.23	1.11
Mixing Ratio	50	50

PHYSICAL PROPERTIES:

	Procedure	Values
Core Density (lb/ft ³)	D-1622	0.5
Water Vapor Permeance (perms/in)	E-96	51
Water Absorption (%)	D-2842	2.9
Dimensional Stability (%)	D-2126	<15
Tensile Strength (psi)	D-1623	13.5
Closed Cell, content (%)	D-2856	3.6
Air Leakage (L/s/m ²)	E-283	0.004
Noise Reduction Coefficient (NRC)	C-423	0.70
Sound Transmission Class (STC)	E-90	39
Emissions (hours to re-occupancy)	CAN/ULC S-744	12

PROCESSING INFORMATION

STORAGE & SHELF LIFE:

- Storage temperatures 65-85°F (18-29° C)
- Shelf life from date of manufacture (unopened containers): A-Side: 12 months
B-Side: 6 months
- Keep container tightly sealed.
- Store out of direct sunlight, in a cool dry place, avoid freezing.

RECOMMENDED EQUIPMENT SETTINGS:

- Dynamic Pressure (A&B): 1200 psi minimum
- Primary Heaters (A&B): 110-140°F (43-60° C)
- Hose Heaters: 110-140°F (43-60° C)
- Dispensing Ratio 1:1

MIXING:

- Mix B-side on high speed for 30 minutes before application.
- Mix B-side at 25% speed during application.
- Do not mix A-side.

APPLICATION:

- Ambient temperature: 32-130°F (0-54° C)
*Colder Temperature application is possible, contact manufacturer for more details
- Substrate surfaces must be free of moisture, oil, grease, dust and debris.
- When changing between different resin systems, flush adequate amount of material through the gun to clear hose lines of previous material.

HEALTH & SAFETY:

SWD Urethane is committed to the health and safety of our customers. SWD and Quik-Shield® products shall only be installed by an SWD Urethane approved contractor. Applicators are required to follow all proper handling, safety and installation procedures. For more information consult the product MSDS, contact the SPFA (www.sprayfoam.org) or the ACC (www.spraypolyurethane.org). Polyurethane foam systems shall not be left exposed in occupied interior space and must be protected by an approved thermal barrier.

The information herein is believed to be reliable; however, unknown risks may be present. SWD Urethane makes no warranty, expressed or implied, concerning this product's merchantability or fitness for any particular use. The only warranty SWD Urethane gives is that the product meets the specifications listed herein, and in the event that it does not, SWD Urethane will replace, at its cost, SWD Urethane's product. The foregoing constitutes SWD Urethane's sole obligation with respect to damages, whether direct, incidental or consequential, resulting from the use or performance of the product.



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