



QUIK-SHIELD® | 106 ZH

1/2 lb No-Heat Spray Foam Insulation

QUIK-SHIELD® | 106 ZH is a No-Heat 1/2 lb open-cell, spray-applied, polyurethane foam. It is specifically designed for use in the Graco Reactor E-8p and is ideal for use as a high performance insulating air barrier and as part of an energy efficient building envelope.

QUIK-SHIELD® | 106 ZH is a low odor, low VOC foam product. Certified for use in the U. S. and Canada, it delivers an excellent air barrier solution.

QUIK-SHIELD® | 106 ZH provides effective insulation with an R-Value of 4.01 per inch, and can reduce heating and cooling costs by up to 40%.

QUIK-SHIELD® | 106 ZH is environmentally friendly.

- Recycled renewable content
- Reduces energy consumption
- Non-ozone depleting
- Formaldehyde free & low VOC
- Improves indoor air quality
- Promotes sustainable design



QUIK-SHIELD® | 106 ZH with Graco Reactor E-8p:

An ideal way to expand your business

- Ideal for spraying attics and rim joists in existing homes
- Lower cost alternative to froth kits, and 2lb no-heat SPF
- Backup system for spray rigs
- Easy for touch-up projects in tight areas

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.



Tested & Approved

QUIK-SHIELD® | 106 ZH is ICC, CCMC, CA BHFTI approved and is LEED qualified material. This product has achieved GREENGUARD Children & Schools certification and is verified to be formaldehyde free.





QUIK-SHIELD® I 106 ZH

1/2 lb No-Heat Spray Foam Insulation—Specifications

CHARACTERISTICS

SEAMLESS INSULATION:

- No joints or seams to leak air or water.
- Reduces dust, gas, odor and noise penetration.

SELF-ADHESIVE:

- No fasteners needed.
- Attaches chemically to wood, metal, tile, pipe, etc.
- Saves material and labor.

SAFE TO USE:

- GREENGUARD certified product.
- Low VOC, contains no Formaldehyde.
- Does not give off toxic fumes after application.
- Contains no carcinogens.

INTUMESCENT COATING:

- Recommended intumescent coating in attics and crawlspaces: QUIK-SHIELD 1500 18-mil wet, 12-13 mil dry.

LEED INFORMATION

- QUIK-SHIELD 106 ZH B-side has a minimum of 25% pre-consumer recyclable/rapidly renewable content based on weight (15% pre-consumer recyclable, 10% rapidly renewable). When matched with A-side, the total system has a minimum of 12.5% pre-consumer recyclable/rapidly renewable content based on weight (7.5% pre-consumer recyclable, 5% rapidly renewable).
- QUIK-SHIELD 106 ZH 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%.

WARNING: Polyurethane products manufactured or produced from these chemicals may present a fire hazard if improperly used or allowed to remain exposed or unprotected. The character and magnitude of any such hazard will depend upon a broad range of factors, which are controlled or influenced by the manufacturing or production process, by the mode of application or installation, and by the function and usage of the particular product. Each person, firm or corporation engaged in the manufacture, production, application, installation, or use of any polyurethane product should determine whether there is a potential fire hazard associated with such product in a specific usage, and utilize all appropriate safety measures. This numerical flame spread rating does not reflect hazards presented by this or other material under actual fire conditions. Polyurethane foam systems should not be left exposed in occupied interior space and must be protected by a 15-minute thermal barrier. Consult Material Safety Data Sheet for safety and handling details.

PHYSICAL PROPERTIES

RELATIVE INSULATION VALUES (aged):

K-Factor	R Value	Thickness
0.2494	4.01	1"

HANDLING PROPERTIES: (@ at 75°F.)

	A Side	B Side
Viscosity, cps	230 ~ 320	240 ~ 350
Specific Gravity	1.23	1.11
Mixing Ratio	50	50

SHELF LIFE:

Three months from date of manufacture in unopened containers when stored at 50-80°F.

REACTIVITY PROFILE/ HAND MIX: (@ at 75°F)

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

PHYSICAL PROPERTIES:

	Procedure	Values
Core Density	D-1622	.45
Tensile Strength	D-1623	13.5
Closed Cell, content	D-2856	3.6%
Water Permeance at 1"	E-96	51 Perms
Air Leakage	E-283	0.0
Dimensional Stability	D-2126	<15%
Noise Reduction	C-423	.70
Sound Transmission Class	E-90	39

APPROVALS/ COMPLIANCE:

ICC ESR-2003, CCMC 13390-R, Class 1— ASTM E-84, UL-723, NFPA 255, Flame<25, Smoke<450

PROCESSING INFORMATION:

Mix B-side pail at high speed for 15-20 minutes. Material should be kept between 70°F ~ 90°F for best results. Warm the material if necessary. Static spray pressure should be set around 1700psi. The supply air should be set between 90 ~ 100 psi. Exact settings may vary depending upon individual machines and environmental conditions. Polyurethane foam systems should not be left exposed in interior applications and must be protected by a minimum of a 15 minute 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.

