



SWD Quik-Shield® | 106 Spray Insulation Foam

SWD Quik-Shield® | 106 is a low viscosity, two component, 0.5lb open-cell, spray-applied, polyurethane foam . It is ideal for use as an insulating air barrier and as part of an energy efficient building envelope.

SWD Quik-Shield® | 106 creates a seamless, water resistant barrier that stops air infiltration and removes gaps that allow insects, pests and dust to infiltrate.

SWD Quik-Shield® | 106 provides good insulation with an R-Value of 4.01 per inch, and can reduce heating and cooling costs by up to 40%.

SWD Quik-Shield® | 106 is environmentally friendly.

- More than 25% of content is from renewable resources
- Reduces energy consumption
- Zero ozone depleting
- Formaldehyde Free & Low VOC
- Improves indoor air quality
- Promotes sustainable design



SWD Quik-Shield® | 106 an ideal insulation solution

Open-cell insulation foam is an ideal way to efficiently insulate a building.

As a seamless insulation solution open-cell spray foam insulation helps reduce construction costs and build more energy-efficient buildings. It provides superior noise reduction along with the ability to reduce air infiltration and pest migration.

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



Tested & Approved

SWD Quik-Shield® | 106 is ICC approved. It is California Bureau of Home Furnishings & LEED compliant.





SWD Quik-Shield[®] | 106

Spray Insulation Foam - Specifications

CHARACTERISTICS:

INSULATION PROPERTIES:

R-Value :	4.01 per inch
Noise Reduction Coefficient:	.70
Sound Transmission Class	39

SEAMLESS INSULATION:

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

MONOLITHIC:

- Solid, one-piece construction
- Increases structural stability

SELF-ADHESIVE:

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

LIGHT WEIGHT:

- High strength to weight ratio.

SAFE TO USE:

- Contains No Urea Formaldehyde.
- Does not give off toxic fumes after application.
- Contains no carcinogens.

SHELF LIFE:

- Six months from date of manufacture in unopened containers when stored at 50-80°F.
- Store below 75°F out of direct sunlight.
- Remove bung covers with caution.

APPROVALS/ COMPLIANCE:

- ICC ESR-2003,
- Class 1 – ASTM E-84, UL-723, NFPA-255,
- Flame < 25, Smoke < 450

PROCESSING INFORMATION:

Under normal operation conditions, pre-heater setting and hose heaters should be 130°F-150°F. for most types of plural component 1:1 dispensing equipment to achieve proper atomization of this product. Static spray pressure should be set at 1000 to 1400 psi. Polyurethane foam systems should not be left exposed in interior applications and must be protected by a minimum of a 15 minute thermal barrier.

PHYSICAL PROPERTIES:

RELATIVE INSULATION VALUES (aged):

k-Factor	R Value/ in.	Thickness
0.2494	4.01	1"

HANDLING PROPERTIES : (Based on regular grade formulation at 75°F.)

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

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)	4>

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
Air Leakage	E-283	0.0
Dimensional Stability	D-2126	<15%

WARNING: Polyurethane products manufactured or produced from these chemicals may present a serious 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 carefully determine whether there is a potential fire hazard associated with such product in a specific usage, and utilize all appropriate precautionary and safety measures. This numerical flame spread rating does not reflect hazards presented by this or other material under actual fire conditions.

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