



# SWD Quik-Shield® |111 Spray Insulation Foam

**SWD Quik-Shield® |111** is a two component, 2.0 lb. closed cell, spray-applied, rigid polyurethane foam system. This product meets current building codes for wall insulation. It is ideal for use as an insulating air barrier and as part of an energy efficient building envelope.

**SWD Quik-Shield® |111** creates a seamless, water resistant barrier that stops air infiltration and removes gaps that allow insects, pests and dust to infiltrate.

**SWD Quik-Shield® |111** provides exceptional insulation with an R-Value of 6.26 per inch, and can reduce heating and cooling costs by up to 40%.

**SWD Quik-Shield® |111** is ideal for applications in:

- Interior perimeter Stud Wall Insulation
- Structural Insulation Panel System
- Freezers, Coolers, Tanks, Silo insulation



## Tested & Approved

SWD Quik-Shield® |111 is ICC, UL and NFPA approved. It is also a qualifying material for an Energy Star qualified home.



## SWD Quik-Shield® |111 an ideal insulation solution

Closed-cell insulation foam is an ideal way to insulate a building. It provides more insulation in less space.

Compared to traditional insulation methods, foam insulation provides higher energy efficiency, higher R-values, as well as better moisture and condensation control. It also provides superior noise reduction along with the ability to reduce air infiltration and pest migration.

**SWD Quik-Shield® |111** is environmentally friendly.

- Reduces energy consumption
- Zero ozone depleting
- Formaldehyde & VOC free
- Improves indoor air quality
- Promotes sustainable design



Underwriters  
Laboratories





# SWD Quik-Shield® | 111

## Spray Insulation Foam - Specifications

### CHARACTERISTICS:

#### INSULATION PROPERTIES:

R-Value: 6.26 per inch  
Noise Reduction Coefficient: 25%  
More insulation in less space  
Saves energy and building material costs  
Performs equally in hot or cold temperatures

#### 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:

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

#### APPROVALS/ COMPLIANCE:

ICC ESR-2003  
UL-723: Class 1 – ASTM E-84  
NFPA-255  
UBC 42-1: SPF 4.0 Inch thickness, Flame < 25, Smoke < 450  
ASTM C-1029

#### 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 (initial values):

k-Factor	R Value/ in.	Thickness
0.147	6.26	1"

#### HANDLING PROPERTIES :

(Based on regular grade formulation @ 75°F)

	"A" Compound	"B" Compound
Viscosity, cps	500	1000
Specific Gravity	1.23	1.23
Mixing Ratio	50	50

#### FINISHED PRODUCT PROPERTIES

	Procedure*	Values
Core Density, pcf. nominal	D-1622	2.34
Tensile Strength	D-1623	76.6
Compressive Strength psi	D-2621	24.3
Water Vapor Transmission	E-96	76.6

**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.