



SWD Quik-Shield® |450 Pour Foam

SWD Quik-Shield® |450 is a low viscosity, two component, nominal 2.0lb density, rigid, closed cell, polyurethane pour foam system. It is ideal for use in most types of 1:1 pour foam systems and dispensing equipment.

SWD Quik-Shield® |450 provides exceptional insulation with an R-Value of 6.8 per inch. It is certified as a Class 1-UL 723 insulation system.

SWD Quik-Shield® |450 creates a seamless, water resistant barrier that stops air infiltration and removes gaps that allow pests and dust to infiltrate.

SWD Quik-Shield® |450 is ideal for applications in:

- Insulated masonry wall systems
- Structural insulated panels (SIP)
- Refrigerators
- Refrigerated truck bodies
- Cold storage rooms
- Freezer panels
- Door insulation



SWD Quik-Shield® |450 an ideal insulation solution

Closed-cell insulation foam is an ideal way to insulate a wide variety of structures. It provides more insulation in less space and allows for greater design flexibility.

It may be used to fill cavities in concrete, cinder block and masonry walls to increase insulation values. It may also be used with fabricated wall-building systems. It is also an ideal insulator for freezers, refrigeration equipment and refrigeration structures

SWD Quik-Shield® |450 is environmentally friendly.

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



Tested & Approved

SWD Quik-Shield® |450 is ICC and UL approved and is a recognized component of an "Energy Star Qualified Home."





SWD Quik-Shield® | 450

Pour Foam - Specifications

CHARACTERISTICS:

INSULATION PROPERTIES:

- R-Value – 6.8 per inch
- 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.
- Adheres chemically to wood, metal, masonry, concrete
- 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 out of direct sunlight
- Remove bung covers with caution

MOLD & VOID FILL:

- Free rising to safely completely fill molds, voids and variable space containment and barrier applications

APPROVALS:

- ICC ESR-2003
- UL 723 Class 1

PHYSICAL PROPERTIES:

RELATIVE INSULATION VALUES (initial values):

k-Factor	R Value/ in.	Thickness
0.147	6.8	1"

HANDLING PROPERTIES :

(Based on regular grade formulation @ 75°F)

	"A" Compound	"B" Compound
Viscosity, cps	500	825
Specific Gravity	1.23	1.23
Mixing Ratio	50	50

REACTIVITY PROFILE

Gel Time (machine pour 120°F)	35-40 sec
Tack Free Time (machine pour)	65-70 sec
Cream Time (hand mix, 75° F)	15-20 sec
Gel Time (hand mix)	80-90 sec
Tack Free Time (hand mix)	140-160 sec

FINISHED PRODUCT PROPERTIES

	Procedure*	Values
Core Density, pcf. nominal	D-1622	1.9
Tensile Strength	D-1623	95.9
Compressive Strength psi	D-1621	15
Closed Cell Content	D-2856	83.5
Water Vapor Transmission	E-96	1.03 perms

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.