



# SWD Quik-Shield® | 125 Roof Foam

**SWD Quik-Shield® | 125** is a low viscosity, two component, 2.5 - 3.0 lb closed-cell, spray-applied rigid polyurethane foam . This product meets building codes for roofing and is ideal for use as an insulating air barrier and as part of an energy efficient building envelope.

**SWD Quik-Shield® | 125** creates a monolithic, water resistant barrier that stops air infiltration. It also provides excellent insulation with an R-Value of 6.8 per inch.

**SWD Quik-Shield® | 125** quickly adheres to roofing substrates to strengthen and waterproof new and existing roofs (many times without a costly tear off).

**SWD Quik-Shield® | 125** roof systems are environmentally friendly because they reduce energy use, reduce a building's carbon footprint, and reduce landfill space requirements. They also contain no CFC's, or HCFC's .



## SWD Quik-Shield® | 125 an ideal roofing solution

Up to 50% of all energy used in a building can be literally lost through the roof.

**SWD Quik-Shield® | 125** can significantly reduce that loss and increase the performance of your building by creating a seamless monolithic roofing system.

**SWD Quik-Shield® | 125** is able to add structural stability and increase resistance to wind uplift and hail damage.

**SWD Quik-Shield® | 125** also provides high R-value insulation, reduces air infiltration and 'bellowing' and restricts water and vapor transmission.

As a self adhering system, **SWD Quik-Shield® | 125** requires no mechanical fasteners which increases installation efficiency as well as structural waste.

### Tested & Approved

SWD Quik-Shield® | 125 is ICC, UL, and California Fire Marshall approved. It is California Bureau of Home Furnishings & LEED compliant. It is also a qualifying material for an Energy Star qualified home.



Underwriters  
Laboratories





# SWD Quik-Shield® | 125

## Roof Foam - Specifications

### CHARACTERISTICS:

#### INSULATION PROPERTIES:

R-Value: 6.8 per inch.  
 Noise Reduction Coefficient: 20%  
 Performs equally in hot or cold temperatures.

#### SEAMLESS INSULATION:

Stops air infiltration  
 No joints or seams to leak air or water.  
 Reduce dust, gas, odor and noise penetration

#### MONOLITHIC:

Solid, one-piece construction.  
 Increases structural stability.

#### SELF-ADHESIVE:

No fasteners needed  
 Attaches chemically to wood, metal, plastic, tile, pipe, etc.  
 No unnecessary holes in roof substrates from fasteners

#### WATER MOISTURE RESISTANT:

Undamaged, closed cell foam will not absorb water  
 Water vapor can pass through foam, allowing roof to breathe and help prevent condensation and mold.

#### LIGHT WEIGHT:

Weight Per Square (at 1"): 30 lbs  
 High strength to weight ratio.

#### SAFE TO USE:

Contains no urea formaldehyde or carcinogens.  
 Does not give off toxic fumes after application.

#### ENVIRONMENTALLY FRIENDLY:

Reduces energy and fossil fuel requirements.  
 No CFC's or HCFC's  
 Low VOC's  
 No adverse impact on ozone layer.  
 Finished product may be recycled or landfill disposed.

#### SHELF LIFE:

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

#### APPROVALS/ COMPLIANCE:

ICC-ES #3182  
 E-108, UL 790 Class A Roof System:  
 Construction # 136, 181, 206, UL file R-9303.  
 California Fire Marshal Listing No. 040175-1321:100  
 California Bureau of Home Furnishings: Reg#. CA – T030

### PHYSICAL PROPERTIES:

#### RELATIVE INSULATION VALUES (initial values):

k-Factor	R Value/ in.	Thickness
0.16	6.8	1"

#### HANDLING PROPERTIES :

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

	"A" Compound	"B" Compound
Viscosity, cps	500	770
Specific Gravity	1.23	1.18
Mixing Ratio	50	50

#### REACTIVITY PROFILE:

	Winter	Inter.	Summer
Cream Time (seconds)	1-3	3-4	4-6
Tack Free Time (seconds)	7-9	9-11	11-13
Cure Time @ 75° (hours)	4	4	4
Rise Time (seconds)	12-14	14-18	18-24

	Procedure*	Values
Core Density, pcf nominal	D-1622	2.5 - 3.0
Compressive Strength, psi	D-1621	42
Tensile Strength	D-1623	75
Closed Cell, content, %	D-2856	95
Thermal Resistance	C-1770	14.8
Dimensional Stability	D-2126	1.07

\*NOTES: ASTM Test Method Reference Number

#### PROCESSING INFORMATION:

Under normal operation conditions, primary heater setting should be 120°F -140°F. Hose temperatures are dependent on weather conditions and processing equipment, with 120°F-140°F for most types of plural component 1:1 dispensing equipment to achieve proper atomization of liquid components. Hose pressure should be 800 to 1500 psi depending upon equipment. Remove bung covers with caution.

**WARNING:** Polyurethane products produced from these chemicals may present a serious fire hazard if improperly used or allowed to remain exposed or unprotected. Specific hazards will depend upon a broad range of factors, which are controlled or influenced by the manufacturing process, the mode of application or installation, and 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 fire hazard associated with such product in a specific usage, and utilize all appropriate precautionary and safety measures.

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.