



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 polyurethane foam. For over 25 years, SWD roofing foam has met 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 6.3 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, FM Global, California Fire Marshall, Miami-Dade approved. It is California Bureau of Home Furnishings & LEED compliant.





SWD Quik-Shield® | 125

Roof Foam - Specifications

CHARACTERISTICS:

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, no thermal bridging
- Attaches chemically to wood, metal, plastic, tile, pipe, etc.

LEED QUALIFIED:

More than 15% recycled/rapidly renewable content (based on b-side volume), Raw material source-Mesa AZ, VOC level is less than 1%. Point contribution possibilities in the following categories: Sustainable Sites (SS), Water Efficiency (WE), Energy & Atmosphere (EA), Materials & Resources (MR), Indoor Environmental Quality (EQ), Innovation & Design Process.

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
- Helps prevent condensation and mold
- Contains no urea formaldehyde or carcinogens
- Does not off gas toxic fumes after application

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.

PHYSICAL PROPERTIES:

INSULATION PROPERTIES:

k-Factor	R Value/ in.	Thickness
0.159	6.3	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

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.

FINISHED PRODUCT PROPERTIES:

	Procedure	Values
Compressive Strength	D-1621	45-55
Core Density	D-1622	2.5 - 3.0
Tensile Strength	D-1623	65-75
Closed Cell, content, %	D-2856	>90%
Water Permeance at 1"	E-96	1.4
Air Leakage	E-283	0.0
Dimensional Stability	D-2126	<15%
Shear Strength	C-273	51.9
Winduplift (plywood deck)	TAS 114-95 J	-165 psf
Winduplift (steel deck)	TAS 114-95 D	-1005 psf
Noise Reduction Coefficient:	C-423	.20
Sound Transmission Class	E-90	34
Impact Resistance	FM 4470	Pass

APPROVALS/ COMPLIANCE:

ICC-ES #2532
 E-108 UL 790 Class A/B Roof System
 UL Class A/B approval # R9303, Const. # 136,181,206
 CA Fire Marshal Listing No. 040175-1321:100, City of Los Angeles RR-24072, Miami-Dade County Product Control approved, FM Global approved, California Bureau of Home Furnishings.

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.