



SWD Quik-Shield® | 112 XC Extreme Cold Spray Insulation Foam

SWD Quik-Shield® | 112 XC is a two component, 2 lb. closed cell, spray-applied, rigid polyurethane foam system. **It is specially formulated for application to low temperature substrates (15°F).** Passed AC 377(NFPA 286) Appendix X without any ignition barrier.

SWD Quik-Shield® | 112 XC lets you keep working all winter long and provides exceptional insulation with an R-Value of 6.8 per inch.

SWD Quik-Shield® | 112 XC can reduce heating and cooling costs by up to 40%.

SWD Quik-Shield® | 112 XC is ideal for applications in:

- **Cold Weather Climates**
- Interior perimeter stud wall insulation
- Structural insulated panel systems
- Freezers, Coolers, Tanks, Silo insulation



SWD Quik-Shield® | 112 XC 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 creates an effective air barrier that 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® | 112 XC is environmentally friendly.

- Reduces energy consumption
- Zero ozone depleting
- Formaldehyde free & low VOC
- Improves indoor air quality
- Promotes sustainable design
- more than 15% of content from renewable/ recycled resources

Tested & Approved

SWD Quik-Shield® | 112 XC is tested in compliance with ASTM requirements and is California Bureau of Home Furnishings & LEED compliant.





SWD Quik-Shield® | 112 XC

Extreme Cold Spray Insulation Foam - Specifications

CHARACTERISTICS:

LOW TEMP:

SWD Quik-Shield® | 112 XC is foam designed for application to substrates with temperatures as low as 15°F

COST EFFECTIVE:

Passed AC 377(NFPA 286) Appendix X without any ignition barrier

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

WATER MOISTURE RESISTANT:

Undamaged, closed cell foam will not absorb water
Helps prevent condensation and mold

ENVIRONMENTALLY FRIENDLY:

Contains no urea formaldehyde or carcinogens
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
More than 15% recycled/renewable content
Little to no odor

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.

PHYSICAL PROPERTIES:

INSULATION PROPERTIES (aged):

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	680
Specific Gravity	1.23	1.23
Mixing Ratio	50	50

SHELF LIFE:

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

FINISHED PRODUCT PROPERTIES:

	Procedure	Values
Compressive Strength	D-1621	20-30
Core Density	D-1622	1.8-2.3
Tensile Strength	D-1623	20-25
Water Permeance at 1"	E-96	1.47
Air Leakage	E-283	0.0
Dimensional Stability (70°/97% RH/168 hrs)	D-2126	<15%
Noise Reduction Coefficient:	C-423	.25
Sound Transmission Class	E-90	35

APPROVALS/ COMPLIANCE:

ASTM E-84 Class 1 Flame < 25, Smoke < 450, ANSI 2.5,
NFPA 255, UL 723, UBC 8-1 (42-1)
AC 377 (NFPA 286) Appendix X— passed without ignition barrier.

PROCESSING INFORMATION:

Under normal operation conditions, pre-heater setting and hose heaters should be 110°F-140°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. Material should be maintained at a minimum temperature of 50-60° F. Ambient material temperature should be 60-80° F before application. No recirculation. Exact settings may vary depending upon individual machines. Polyurethane foam systems should not be left exposed in occupied interior space and must be protected by a 15 minute thermal barrier.

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