



Master Pack Quik-Shield® |125 Roof Foam

Master Pack 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.

Master Pack 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

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

Master Pack 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.

Master Pack Quik-Shield® |125 - an ideal roofing solution

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

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

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

Master Pack 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, **Master Pack Quik-Shield® |125** requires no mechanical fasteners which reduces installation time as well as structural waste.



Tested & Approved

Master Pack Quik-Shield® |125 CRRC, Energy Star, California Bureau of Home Furnishings & LEED compliant.
ICC, UL, California Fire Marshall approved



Master Pack Quick-Shield® |125 Roof Foam Specifications

CHARACTERISTICS:

INSULATION PROPERTIES:

R-Values: 6.8 per inch.
Noise Reduction Coefficients: 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, 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.
Store below 75 F and out of direct sunlight.

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 | 500 |
| Specific Gravity | 1.23 | 1.18 |
| Mixing Ratio | 50 | 50 |



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| 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, sec | 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, psi | 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, pre-heater setting should be 120°F-140°F. Hose temperatures are dependent on weather conditions and processing equipment, with 110°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.

APPROVALS/ COMPLIANCE:

ICC-ES Report #3132

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



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