

Technical Data Sheet

Version Date: 02/2014 Page 1 of 1
Polyurethane Foam – Regular

SunBlock Materials

Spray Foam & Roof Coatings

Physical Properties¹

Relative Insulation Values: (initial values)

K-Factor	Value / In.	Thickness
0.148	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	1.225
Mixing Ratio	50	50

Reactivity Profile:

	Winter	Inter.	Summer
Cream Time, secs	1-3	3-4	4-6
Tack Free Time, secs	7-9	9-11	11-13
Cure Time @75°F, hrs	4	4	4
Rise Time, secs	12-14	14-18	18-24

	Procedure ¹	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
K-Factor (aged)	C-177	
Dimensional Stability	D-2126	1.07

Application Information:

Under normal operation conditions, pre-heater setting should be 120°F-140°F. Hose temperatures are dependent on weather conditions and application 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

¹ ASTM Test Method Reference Number

Characteristics

Insulation Properties:

R-Values – 6.8 per inch.
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:

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 or 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.

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

Warranty:

Any/all guarantees/warranties for products sold by SunBlock Materials are limited only to those provided in writing and only available to the applicator of the product. The information listed herein is to be used only as a guide and is subject to change without notice. All information contained on this document are believed to be reliable, but may vary to some degree. **NO WARRANTY, EXPRESSED/IMPLIED, INCLUDING FITNESS OF USE, IS MADE BY SUNBLOCK MATERIALS WITH RESPECT TO THE PRODUCTS OR INFORMATION SET HEREIN.** Liability, if any, is limited to replacement of product only.