

EcoPolySealTM

Technical Data Sheet

Semi-rigid Spray applied polyure-

Company:
North American Spray Foam Polymers
7901 4th Street North, Suite 4021
St. Petersburg, FL 33702
Phone 800-713-1646

Product:
Eco500 Open Cell

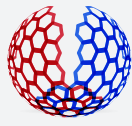
The Eco500 is a two-component open cell spray-applied semi-rigid polyurethane non-structural thermal foam insulation material. The Eco500 is a fully water blown insulation foam with a low in place density of .5lb. The Eco500 is recognized as a standard in open cell spray foam. Installation is intended for above grade only. The Eco500 should be installed by an authorized EcoPolySeal installer.

Physical proper-

Description	Testing Method	Value
Thermal resistance per inch	ASTM C 518	3.8R
Density (Core)	ASTM D 1622	.5 lb
Sound transmission	ASTM E 413	50-52
Noise reduction coefficient	ASTM C 423	0.75
Flame Spread index	ASTM E 84 UL 723	>25
Smoke developed index	ASTM E 84 UL 723	>450
Fungi resistance	ASTM C 1338	Pass (no growth)
Spontaneous ignition temperature	ASTM D 1929	1040 F

Set Properties

Spray foam Set properties	A-side	B-side
Color	Brownish	Yellowish
Viscosity @ 77F	150-250 cps	170-220 cps
Specific gravity	1.20-1.24	1.10-1.12
Shelf life	6 M	6 M
Mixing ratio	1 to 1	1 to 1



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Reactivity profile

Description	Time in Seconds
Cream time	1-2
Gel time	3-4
Tack free time	6-7
End of rise	6-7

Recommended processing guidelines

Description	Guideline
Primary Heater (A&B)	125-130 degrees
Mixing pressure (A&B)	900-1100 psi
Preheated drums	80 - 85 degrees
B-side drum	Continuous agitation (Mix)
Substrate & ambient temperature	20 to 95F (75 ideal)
Waiting time between passes	>20 seconds

The Eco500 open cell spray foam provides a thermal barrier. Contact your local county for building codes. The guidelines contained in the Technical Data Sheet are intended for experienced spray foam installers that are authorized through EcoPolySeal. Do not apply spray foam in environments with an open flame or spark. Do not apply spray foam in environments without appropriate ventilation. Do not apply passes too thick in a single application, this can cause spontaneous combustion in the following hours. Follow the recommended processing conditions detailed in this document. Contact 800-713-1646 for more information.