

GreenSeal 0.5



TECHNICAL DATA SHEET

Thermal Barriers:

GreenSeal 0.5 spray foam must be separated from the interior of the building (occupied space) by an approved 15 minute thermal barrier such as ½" inch gypsum board or other equivalent material. Exceptions for the thermal barrier are allowed; for example, foam plastic in attics and crawlspaces with limited access. Consult local building codes for requirements and restrictions.

Chemical Attributes:

Component	Viscosity (25°C)	Density
Isocyanate	200 cps	10.3 lbs/gal
Resin	300 cps	9.2 lbs/gal

Storage & Shelf Life:

GreenSeal 0.5 spray foam components have an optimal shelf life of 6 months when stored in unopened containers at temperature between 50 – 70°F. Excessively high temperatures may reduce optimal shelf life. Store material at 60 – 70°F for 48 hours prior to application.

Environmental Considerations:

For best results, GreenSeal 0.5 should be applied when ambient conditions are between 40°F and 120°F with relative humidity less than 80%. When ambient conditions are below 40°F it is necessary to warm and dry the building or substrates.

Substrate Preparation:

All surfaces must be clean and dry, free of dirt, oil, solvents, grease and loose particles for optimal adhesion. GreenSeal 0.5 spray foam bonds tenaciously to most clean substrates. Moisture content of wood products should

be < 18% and concrete must age at least 28 days before application of GreenSeal 0.5 spray foam can occur. Consult GreenSeal Products, LLC for specific recommendations on primers or substrates.

Service Temperature:

GreenSeal 0.5 spray foam insulation is designed to be used in ambient temperatures from -40°F and 180°F, 220°F intermittent. It is strongly recommended that test sprays be conducted before installation for use in extreme temperatures.

Processing Parameters:

GreenSeal 0.5 spray foam is designed to be applied by trained contractors using high pressure, plural component spray proportioners. The spray proportioner must be able to maintain the designed temperature and pressure for GreenSeal 0.5 spray foam products:

A/B/Hose Temperature	120 - 140°F
A/B Dynamic Pressure	1000 - 1500 lbs/in ²

Optimal spray settings will vary with proportioner, hose dimensions, gun configuration and ambient conditions. It is critical for sprayers to understand the limitations associated with their equipment.

Safety and Handling Information:

It is critical to read and become familiar with the Green Shield Products, LLC Safety Data Sheets prior to working with GreenSeal 0.5 spray foam liquid components. During application respiratory protection is required for the applicator and bystanders or helpers. For more information consult , www.greenshieldproducts.com, or www.spraypolyurethane.org

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