

TECHNICAL DATA SHEET

Grizzly 005™

SEMI-RIGID SPRAY APPLIED POLYURETHANE FOAM

Grizzly 005™ is a half pound open cell light density spray applied semi-rigid polyurethane foam insulation and air barrier product. This product is fully water blown having an ultra low GWP and zero ODS index. This foam is recognized as Greenguard Gold for low chemical emissions. Grizzly 005™ meets the off gassing emissions required by CAN/ULC S774-09. Grizzly 005™ has been fully tested by an ISO-17025 Independent Laboratory. This product complies with the intent of the NBC-2010, Division B, Article 9.25.2.2.(1). Licensed Contractors using certified Installers as recognized by our appointed third party SQAP partner are required to manufacture this SPF system on site.

PHYSICAL PROPERTIES

Method	Description	Typical Value
ASTM D 1622	Density in place (core density)	6.8 Kg/m ³ (.45 lb/ft ³)
ASTM C 518	Thermal resistance per inch 2 & 90 days @ 76°F	0.61 RSI 3.5 R/inch
ASTM E283	Air Leakage, 3.5" @ 75 Pa (25 mph wind)	0.001 L/s.m ²
ASTM E 2178	Air Permeance, 3.5" @ 75 Pa	0.002 L/s.m ²
ASTM E 90 & 413	Sound Transmission Classification 8A Wall Assembly F24 Floor Assembly	STC-52 STC-50
ASTM C-423	Noise Reduction Coefficient (NRC)	0.75
ASTM D2126	Dimensional Stability, 28 days, volume change % -29°C / Ambient RH 80°C / Ambient RH 70°C / 95% RH	-0.10% 0% -0.10%
ASTM E96	Water Vapour Permeance, 25mm thick core sample	1580 ng/Pa.s.m ²
CAN/ULC S774	VOC Emission from SPF Grizzly Gold 005™	Pass (24 hrs)
CAN/ULC S102	Surface Burning Characteristics (6")	440
CAN/ULC S102	Flame Spread index (6")	210
	Smoke development index (6")	195
ASTM C1338	Fungi Resistance Test	No Fungal growth
ASTM D 1929	Spontaneous Ignition Temperature	560°C (1040°F)
ASTM D 2863	Oxygen Index	23%

The information provided herein are for information purposes in determining suitability for use by the Customer. All Customers should inspect and test this foam product before use and make their own determinations on suitability for the intended application. Nothing herein shall represent warranties, express or implied including any warranty of mechanical fitness. All plastic foam insulations are combustible and must be covered by an approved thermal barrier. Consult our website for additional technical guidance on products.

LIQUID COMPONENT PROPERTIES

PROPERTY	ISOCYANATE MDI	G005 Resin
Colour	Brown	Golden
Viscosity @ 25°C	150-250 cps	170-220 cps
Specific Gravity	1.20 - 1.24	1.10 – 1.11
Shelf Life	12 Months	6 Months
Mixing Ratio (volume)	1:1	1:1

FOAM PROCESSING PARAMETERS (proportioner settings)

Generic Guide of equipment setup	
Type of Proportioner	PMC PH-25, Graco AP Gun, AR5252 mix chamber
A & B Component Temperature	52°C (126°F)
A & B Component Pressure	8273 kPa (1200 psi)
Preheated drum material (A&B)	25°C (77°F)
Resin Side (B)	Requires continuous agitation
Optimal Ambient Temperature	18°C (65°F)

REACTIVITY PROFILE

Cream Time	Gel Time	Tack Free Time	End of Rise
1 – 2 sec.	3 – 4 sec.	6 – 7 sec.	7-8 sec.

RECOMMENDED APPLICATION CONDITIONS

Primary Heaters (A&B)	51-55°C (123 – 131°F)
Mixing Pressure (A&B)	8273 kPa (1200 psi)
Preheated drum material (A&B)	25-32°C (77 – 90°F)
Resin Side (B)	Requires continuous agitation
Substrate & Ambient Temperatures	-10 - 35°C (14 – 95°F)
Curing Temperature	-10°C or higher (14°F or higher)
Maximum Pass Thickness	300mm (12 inches)
<u>Wait time between passes</u>	30 second minimum
<u>Wait time between two 300mm Passes</u>	2 hours minimum

GENERAL INFORMATION

As a thermoset plastic insulation, installed spray foam should be covered with an approved thermal barrier material in compliance with local and provincial building codes when used in occupied spaces.

Grizzly 005 should not be used in applications when continuous service temperatures are outside -50°C to 80°C (-59°F – 176°F).