

## FLORASEAL<sup>50</sup>

FLORASEAL 50 is a two-component, open cell, semi-rigid spray foam system. This product is a fully water blown foam system with a nominal 8.8 kg/m<sup>3</sup> (0.55 lb/ft<sup>3</sup>) density. The product has very good adhesion to common substrates. FLORASEAL 50 is used for thermal insulation and sound attenuation applications.

FLORASEAL 50 has been tested by an independent laboratory and accredited by the CCMC. It surpasses the CAN/ULC-S712.1 : 2017 “Standard Specification for Thermal Insulation – Light Density, Open Cell Spray Applied Semi-Rigid Polyurethane Foam – Material Specification” requirements.

FLORASEAL 50 must be applied by licensed installers under the application standard CAN/ULC s712.2.



## LED BY COMMITMENT



### PREMIUM PRODUCT

Genyk uses the highest-grade raw materials and state-of-the-art manufacturing facilities. The result is a durable product with industry leading thermal resistance



### SUSTAINABILITY

FLORASEAL 50 is formulated with recycled and renewable ingredients, including facility captured rainwater. Environmentally responsible behaviour is a Genyk standard.



### LOCALLY REPRESENTED

Genyk is a Canadian manufacturer. Each region has local representation to offer the most knowledgeable service.

### TYPICAL PHYSICAL PROPERTIES (CCMC # 14128-L)

Physical Properties	Method	Value
Density	ASTM D 1622	0.55 lb/ft <sup>3</sup> / 8.8 kg/m <sup>3</sup>
Thermal Resistance (at 50 mm thickness)	ASTM C 518	1.28 m <sup>2</sup> . K/W (R 3.7/in)
Dimensional Stability	ASTM D2126	
	(28days, -20°C, ambient H.R)	+0.60 %
	(28days, +80°C, ambient H.R)	-2.20 %
Air Permeance @ 75Pa pressure difference at 100 mm thickness	(28days, +70°C, 97±3% RH)	+0.40%
	ASTM E 2178	<0.01 L/ (m <sup>2</sup> . s)
Water Vapor Permeance @ 50mm	ASTM E96 A	1296 Ng/Pa.s.m <sup>2</sup>
Water Absorption, by volume	ASTM D 2842 A	48 %
Open Cell Content	ASTM D 6226	98.5 %
Fungi Resistance	ASTM C1338	No Growth
Fire resistance properties	CAN/ULC S102	30 Flame spread Index
Flame Spread characteristics		230 Smoke Develop Index
Smoke developed classification	CAN/ULC s127	353 Flame spread Index
Volatile Organic Compounds - Time to occupancy	CAN/ULC S774	1 day

**PHYSICAL PROPERTIES (additional testing)**

Physical Properties	Method	Value
Density	ASTM D 1622	0.52 lb/ft <sup>3</sup> / 8.3 kg/m <sup>3</sup>
Thermal Resistance (at 50 mm thickness)	ASTM C 518	1.35 m <sup>2</sup> .K/W (R 3.9/in)

**COMPONENT PROPERTIES**

Properties	ISOCYANATE A-2732	RESIN FLORASEAL 50
Appearance	Brown Liquid	Light Yellow Liquid
Viscosity @ 25°C	150 – 250 cps	130 - 170cps
Spécific Gravity @ 25°C	1.24	1.07 – 1.12
Shelf Life	12 months	6 months
Storage Temperature	10 – 38°C / 50 -100°F	10 – 25°C / 50 -77°F
Mixing Ratio (volume)	100	100

**REACTIVITY PROFILE (Graco E30 – AF Gun - AR5252 - A&B 125°F / 1100psi)**

Cream Time (seconds)	1 - 2
Gel Time (seconds)	3 - 4
Rise Time (seconds)	6 - 7



The product works as both a thermal insulator and acoustical material. Floraseal significantly reduces the transmission of ambient sound and vibration-related noise.



Before handling these chemicals, please consult the Safety Data Sheet for the two components, that are available from Genyk.

**RECOMENDED PROCESSING CONDITIONS**

Primary Heater Temperature	110 – 130°F / 43 – 54°C
Hose Heat Temperature	110 – 130°F / 43 – 54°C
Processing Pressure	1000 – 1500 psi
Substrate Temperature	>32°F / >0 °C
Ambient Temperature	>32°F / >0 °C
Moisture Content of Substrate	< 19 %

Processing conditions can vary depending on temperature, humidity, substrate, equipment and other factors. It is the applicator's responsibility to process and apply Floraseal 50 within specification.

The information contained herein is considered an accurate description of the product performance at the time of printing. Genyk Inc. disclaims any liability for incidental or consequential damages which may result from the inappropriate use of this product. It is the user's responsibility to thoroughly test the product in any application. No information contained herein is to be considered as permission or recommendation to infringe on any patent or other intellectual property.