



TECHNICAL DATA SHEET

GENYK 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/m³ (0.55 lb/ft³) density. The product has very good adhesion to common substrates and to itself. FLORASEAL 50 is used for thermal insulation and sound attenuation applications.

GENYK 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 UFC licensed installers under the application standard CAN/ULC s712.2 CCMC # : 14128-L

TYPICAL PHYSICAL PROPERTIES (CCMC # 14128-L)		
Physical Property	Method	Value
Density	ASTM D 1622	0.55 lb/pi ³ / 8.8 kg/m ³
Thermal Resistance (at 50 mm thickness)	ASTM C 518	1.28 m ² . K/W (R 3.7/po)
Dimensional Stability	ASTM D2126 (28days, -20°C, ambient H.R) (28days, +80°C, ambient H.R) (28days, +70°C, 97±3% RH)	+0.60 % -2.20 % +0.40%
Air Permeance @ 75Pa pressure difference at 100 mm thickness	ASTM E 2178	<0.01 L/ (m ² . s)
Water Vapor Permeance @ 50mm	ASTM E96 A	1296 Ng/Pa.s.m ²
Water Absorption, by volume	ASTM D 2842 A	48 %
Open Cell Content	ASTM D 6226	98.5 %
Fungi Resistance	ASTM C1338	No Growth
Flame Spread Value	CAN/ULC S102	353
Smoke developed classification		230
Volatile Organic Compounds - Time to occupancy	CAN/ULC S774	1 day

FLORASEAL 50

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PHYSICAL PROPERTIES (Additional testing)		
Physical Property	Method	Value
Density	ASTM D 1622	0.52 lb/pi ³ / 8.3 kg/m ³
Thermal Resistance (at 50 mm thickness)	ASTM C 518	1.35 m ² .K/W (R 3.9/po)

COMPONENT PROPERTIES		
Proprerties	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	1.08 – 1.10
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

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.

HEALTH AND PERSONNAL PROTECTION
Before handling these chemicals, please consult the Material Safety Data Sheets for the two components. Material Safety Data sheets on product components are available from Genyk Inc.

Genyk Inc believes that the information in this technical data sheet is an accurate description of the typical uses of the product. Genyk Inc, however, disclaims any liability for incidental or consequential damages, which may result from the use of the product that are beyond its control. Therefore, it is the user's responsibility to thoroughly test the product in their particular application to determine its performance, efficiency and safety. Nothing contained herein is to be considered as permission or a recommendation to infringe any patent or any other intellectual property right.

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