DURASEAL

DURASEAL is a two-component, closed cell polyurethane foam system specifically designed to provide a high-performance roofing system. This foam must be covered by a proper membrane that will protect the foam from water infiltration and UV rays.
Specially formulated for flat roofs, this system is ideal to provide exceptional resistance to wind uplift. When properly installed, it is possible to walk on the roof and install heavy items such as heat pumps and air conditioning units.

This system is formulated with renewable and recycled products.

TYPICAL PHYSICAL PROPERTIES			
PHYSICAL PROPERTIES	**ASTM Method**	**Value**	
Core Density	D1622	2.70 – 2.85 lb/pi^3	43.26 – 45,65 kg/m^3
Compressive Strength*	D1621	42-52 psi	289,7 – 358,6 kPa
Initial Thermal Resistance	C518 (50mm)	R 13.2 (6.6/in)	2.26 RSI
Aged Thermal Resistance	C518 (50mm)	R 12.6 (6.3/in)	2.19 RSI
Dimensional Stability	D2126 (28days, -25ºC, ambient R.H) D2126 (28days, +80ºC, ambient R.H) D2126 (28 days, +70°C,97% ±3% R.H)	-1,5% -1,9% -1,0%	
Open Cell Content	D6226	<4.0%	
Tensile Strength	D1623	>55 psi	>379 kPa

Properties shown below are to be used as a guide only and not intended for specification properties.
*Tested on panel sample prepared with 2 x 2-inch thickness per pass.

INSTALLATION GUIDELINES		
Ambient Temperature	32°F to 95°F	0°C to 35°C
Spray Temperature	95°F to 113 °F	35°C to 45°C
Minimum Spray Pressure	800 psi	5516 kPa

COMPONENT PROPERTIES		
PROPERTIES	**ISOCYANATE A-2732**	**RESIN Duraseal**
Appearence	Brown liquid	Amber liquid
Viscosity @ 25ºC	150 – 250 cps	350 - 450cps
Spécific Gravity @ 25ºC	1.22 - 1.25	1.12 – 1.16
Mixing Ratio	100	100

Genyk uses the highest-grade raw materials and state-of-the-art manufacturing facilities. The result is a durable and superior product.

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

PACKAGING AND STORAGE				
Additionnal information	**ISOCYANATE A-2732**		**RESIN Duraseal**	
Packaging	Drum: 227kg / Tote: 1,250kg		Drum: 225kg / Totes: 1,125kg	
Storage temperature	59ºF - 95ºF	15°C – 35°C	59ºF - 77ºF	15°C – 25°C
Shelf Life	12 months		6 months	

General information: All materials should be stored in their original containers and away from heat and moisture, especially after the seals have been broken and the containers have been opened. Storage below 59ºF (15ºC) may result in compound stratification of the B and/or crystalline formation in the A component and will increase the viscosity of the components making them difficult to pump. Temperatures above the maximum storage temperatures may decrease the shelf life. Extensive venting of the B component may result in loss of blowing agent, higher-density foam and reduced yield. Both components are adversely affected by water and humidity.

ADDITIONAL INFORMATION

- This product is combustible and must be installed in accordance with applicable building codes.
- The service temperature is between -60°C and 85°C (-76°F and +185°F).
- Temperature, humidity, equipment, substrate can vary installation parameters.
- It is recommended to apply between 1.0 and 2.0 inches per pass. Applying less than 1.0 inch will result in elevated density and may not cure properly and reduce the performance of the system. Application of more than 2 inches per pass will reduce the foam density and overall physical properties. It may also create scorching of the foam because of the exothermic reaction. In extreme cases, the foam can ignite due to high exothermic reaction.