



DURASEAL. 3.0

DURASEAL.3.0 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 | 3.0 – 3.2 lb/pi ³ | 48,0 –51,2 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 (7days, -25°C, ambient R.H) | -0.72% | |
| | D2126 (7days, +80°C, ambient R.H) | 4.20% | |
| | D2126 (28 days, +70°C, 97% ±3% R.H) | 5.35% | |
| 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.3.0 |
| Appearance | Brown liquid | Amber liquid |
| Viscosity @ 25°C | 150 – 250 cps | 300 - 450cps |
| Spécific Gravity @ 25°C | 1.24 | 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.3.0 | |
| Packaging | Drum: 227kg / Tote: 1,250kg | | Drum: 225kg / Totes: 1,125kg | |
| Storage temperature | 59°F - 95°F | 15°C – 35°C | 59°F - 77°F | 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 59°F (15°C) 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.

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