

June 30, 2019

B5021 INSTALLATION PROCEDURES

Product Description –

B5021/A2732 is a two-component spray-applied polyurethane foam system. The primary purpose of the system is to act as a ditch break. The product is formulated free of ozone depletion substances (zero ODS). The system is based on renewable substances and recycled products. This system is designed to be built-up in thickness without scorching or foam splitting.

Typical Uses –

This foam system is primarily used as a ditch break. Other areas of use include all applications that require a medium density spray foam that can be installed to significant thicknesses.

Component Specifications –

PROPERTY	ISOCYANATE A2732	B5021 RESIN
Appearance	Brown liquid	Amber liquid
Viscosity at 25°C	150-250 cps	200-300 cps
Specific gravity	1.22 – 1.25	1.15 – 1.20
Shelf life	12 months	6 months

Application Guidelines –

1. Before heating, material shall be heated to a minimum of 35°C (95°F). Depending on ambient heat, the heat can be increased to 45°C (115°F).
2. Ambient temperature limitations are -20°C (-4°F) to 35°C (95°F). Spraying outside this temperature range may result in material malfunction.
3. Density test should be performed on a test area before production spraying commences. Density procedures are calculated by using the CAN/ULC S705.2 Volumetric methodology. Density is calculated by –
 - a. Taking a sample piece that is greater than 5.5 grams, less than 10 grams
 - b. Weighing and recording sample weight (M)
 - c. Determining volume of sample using water displacement method (submerging sample in water-filled beaker and subtracting submerged recording from non-submerged data.
 - d. Complete density test by using formula: $D = M/V$ (Kg/m³). To convert to Lbs/ft³, multiply by 0.0624
 - e. Minimum density is 28 Kg/m³ (1.75 Lbs/ft³)

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Application Guidelines –

4. If material does not meet the minimum density required, spraying shall not commence. Contact Genyk representative to receive further instructions.
5. If preliminary conditions are met – material/ambient temperature, and minimum material density, B5021 material can be applied.

Application Limitations –

1. Installation must be done when ambient temperature is between -20°C (-4°F) to 35°C (95°F).
2. Service temperature of B5021 is -60°C (-76°F) and +80°C (+176°F).
3. B5021 is a plastic insulation. As such, the product is combustible and must be protected from flame and ignition source.

Storage Conditions –

1. All materials should be stored in their original containers and away from heat and moisture.
2. Shelf life of B5021 is six months; shelf life of A2732 is twelve months.
3. Storage temperature of B5021 must be between 15°C (60°F) and 25°C (77°F).
4. Storage temperature of A2732 must be between 15°C (60°F) and 38°C (100°F).
5. Storage below 15°C (60°F) may result in compound stratification of B5021 and/or crystalline formation of A2732.
6. Containers should be opened slowly to allow any pressure build-up to be vented safely.
7. Both B5021 and A2732 are adversely affected by water and humidity. Containers must be sealed during storage.

Health and Personal Protection –

1. Before handling B5021 and/or A2732, consult the Material Safety Data Sheets. Available from Genyk at – www.genyk.com Genyk – 819.729.0395
2. When installing B5021 outside of enclosed structures –
 - a. Full face respirators with charcoal filters must be worn when spraying (and within 10 meters/33 feet of point of spray)
3. When install B5021 within any structure –
 - a. Fresh-air supplied, full face respirators must be worn when spraying (and within 10 meters/33 feet of point of spray)

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Health and Personal Protection –

4. Additional Personal Protective Equipment (PPE) must be worn at all times when spraying/handling the B5021 system:
 - a. Disposable coveralls
 - b. Chemical resistant gloves (nitrile suggested)
5. Site regulations covering PPE must always be followed when spraying eh B5021 system.

Genyk Polyurethanes is dedicated to the proper installation and safe handling of all their manufactured systems. If you require any clarification, please contact –

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