

AGRI-GEN / AGRI-GEN FAST

Agri-Gen is a spray polyurethane foam system specifically designed for the agricultural industry. This product helps reduce energy costs and provides a more stable and controlled indoor temperature in agricultural buildings. A building's integrity is enhanced when sprayed with Agri-Gen. The system is available in a Fast version for enhanced reactivity.

Agri-Gen is formulated without any ozone depletion substances. The product has a Global Warming Potential (GWP) of 1 - 99.9% lower than historical blowing agent. The product is also formulated with renewable and recycled content.

- Ideal for:**
- Liquid storage tanks
 - Silos
 - Livestock buildings
 - Bulk feed storage
 - Grain storage
 - Freezers
 - Equipment storage
 - Barns
 - And more...

TYPICAL PHYSICAL PROPERTIES			
PHYSICAL PROPERTIES	ASTM Method	Value	
Core Density	D1622	2.10 lb/ft ³	33.6 kg/m ³
Compressive Strength*	D1621	20.0 - 30.0 psi	138 - 207 kPa
Initial Thermal Resistance	C518 (50mm)	R13.06 (6.54/in)	2.30 RSI

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 Temperatures		Spray Temperatures		Recommended Spray Pressure	
Agri-Gen	46°F - 95°F	8°C - 35°C	100°F - 120°F	38°C - 49°C	900 - 1200 psi	6205 - 8273 kPa
Agri-Gen Fast	37°F - 82°F	3°C - 28°C				

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

REACTIVITY PROFILE	
Cream Time (seconds)	0 - 1
Gel Time (seconds)	2 - 3
Tack Free Time (seconds)	4 - 5

Laboratory results based on machine mixing (Graco E-30) at 110°F/1000psi. Properties shown below are to be used as a guide only and not intended for specification properties.

COMPONENT PROPERTIES		
PROPERTIES	ISOCYANATE A-2732	RESIN Agri-Gen
Appearance	Brown liquid	Amber liquid
Viscosity @ 25°C	150 – 250 cps	300 – 450 cps
Specific Gravity @ 25°C	1.22 - 1.25	1.17 – 1.23
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			
Additional information	ISOCYANATE A-2732		RESIN Agri-Gen
Packaging	Drum: 227 kg / Tote: 1,250 kg		Drum: 225 kg / Totes: 1,125 kg
Storage temperature	59°F - 95°F	15°C – 35°C	59°F - 77°F 15°C – 25°C
Shelf Life	12 months		6 months
<p>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.</p>			

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.

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