GVP 2.0 HFO

GENERAL APPLICATION GUIDE

Product Description:

GVP 2.0 HFO is a general purpose 2.0-pound spray applied closed cell insulation system.

General Requirements:

Polyurethane foam systems should be processed through commercially available spray equipment by a qualified professional applicator. Industry standard safety precautions and procedures regarding proper personal protective equipment and ventilation are required. Equipment must deliver a 1:1 by volume ratio of polymeric isocyanate (pMDI) and polyol resin blend within the recommended processing parameters.

General Processing and Application Parameters:

General set-up for application of this product is dependent on ambient conditions, substrate properties, and spray equipment. Here are the suggested processing parameter starting points, which should be adjusted to fit the specific environment at the time of application:

Product Formulation	THREE SEASONS (Winter, Spring, Fall)			SUMMER	
Substrate Temperature	20°F – 40°F	40°F – 70°F	70°F – 100°F	45°F – 70°F	70°F – 120°F
Initial Setpoint Temp. Hose/A/B	120°F	115°F	105°F	130°F	115°F
Setpoint Temp. Range Hose/A/B	115–125°F	115–125°F	100–110°F	120–135°F	100–125°F
Initial Pressure	1150psi	1150psi	1150psi	1200psi	1200psi
Pressure Range	1000–1300psi	1000–1300psi	1000–1300psi	1000–1300psi	1000–1300psi
Material Temp in the Drum/Tank	65–85°F	65–85°F	65–90°F	75–90°F	75–90°F

MAXIMUM LIFT THICKNESS should be limited to 4 inches; additional 4-inch pass may be applied immediately

Recommended process for switching from open cell system:

We recommend that heaters be fully drained, and then 5-10 gallons of the closed cell system be used to purge the remnants of the open cell system out of the machine. After flushing and purging, we also recommend spraying off-target to confirm the flush/purge was effective.

Recommended Storage Considerations:

The recommended storage temperature range is 50-90°F for both A-side and B-side. Colder storage environments (32°F to 50°F) will require significant heating prior to processing. If alternative heating (i.e. drum blankets or bands) is required, it is important to heat slowly and for a long enough duration to achieve even heat distribution.

Note for heating cold material: Material may be recirculated using low speed and/or pressure at temperatures less than 85°F. The target temperatures for both A and B materials are minimum 70—75°F for ease of application. The settings for the heaters during warming of the materials should not exceed 90°F; gentle agitation is beneficial for the even distribution of the heat.

Substrate Preparation:

Substrates should be clean, dry, and sound. No residue, oil, grease or excess dust should be present on the substrate, and moisture content of the surface should be below 19%. If there is any doubt about the substrate, spray a small test area and check the foam quality and adhesion. Contact Green Valley Products with any questions regarding substrates.

This product exhibits strong adhesion to a large range of substrates typically encountered in building applications (i.e., wood, sheetrock, OSB, concrete, and metal.)

When applying the Product to metal substrates: standard application method can be utilized in most circumstances. Note: if rust scales are present, scrub with a stiff wire brush or abrasive pad; if corrosion is present, clean the surface then prime with a suitable bonding primer; for glossy or very smooth surfaces, sand or abrade the surface as SPF requires a mechanical bond. If oils are present, clean with solvent, wash with water-based cleaner/degreaser.

When applying the Product to concrete: concrete and masonry must be fully cured and bone-dry; if oils, salt, or calcium deposits are present, wash with detergent and allow to try.

Disclaimer:

The information herein is provided to assist customers and contractors in determining whether the product is suitable for their applications. Customers and contractors should test and evaluate the product to determine its fitness of use. This product as produced complies with all of Green Valley Products' quality control standards. Green Valley Products assumes no responsibility for coverage, performance, or injuries resulting from use. Liability if any is limited to the replacement of product proven to be defective. The applicator assumes the responsibility to confirm fitness of use and proper installation. No guarantees or warranties expressed nor implied, statutory by operational law or otherwise, including fitness of use or potential use are issued with this product. The foam product is combustible and must be protected in accordance with applicable codes.

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