

## GENERAL APPLICATION GUIDE

### Product Description:

GVP Pro 2.0 HFO is a 2.0-pound spray applied closed cell insulation system. This product is formulated for use as an interior and specific exterior insulation system with a broad processing range for ease-of-use by contractors.

### 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	WINTER		REGULAR	
Substrate Temperature	20°F – 40°F	40°F – 70°F	40°F – 60°F	60°F – 110°F
Initial Setpoint Temperature Hose/A/B	120°F	110°F	130°F	115°F
Setpoint Temperature Range Hose/A/B	110°F – 130°F	105°F – 120°F	120°F – 135°F	100°F – 120°F
Initial Pressure	1150 psi	1150 psi	1150 psi	1150 psi
Pressure Range	1000 – 1250 psi	1000 – 1250 psi	1000 – 1250 psi	1000 – 1250 psi
Material Temp. in the Drum/Tank	>70°F	>70°F	<95°F	<95°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:

We recommended storing the material between 50-90°F and no greater than 90°F. Colder storage environments (32°F to 50°F) should not hurt the product but will require significant heating prior to processing. If heating is required, gentle agitation should be applied to the material throughout the heating process to allow for even heat distribution.

**Note: Material may be recirculated at temperatures less than 95°F**

### **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 should exhibit great 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, if necessary, a 3/8" flash pass is acceptable for promoting adhesion in extreme cold conditions.

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 dry.

### **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.

