GVP 500 OC NM

GENERAL APPLICATION GUIDE

Product Description:

GVP 500 OC NM is a 0.50 pound per cubic foot, true no-mix product with a 6-month shelf-life. This product is formulated for use as an interior 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:

SUMMER (ambient and substrate temperatures 85°F and higher)

- A-side / B-side/ Hose Temperatures: 125°F to 130°F
- Spray Pressure: 1100 to 1200 psi (Static Pressure: 1250 to 1300 psi)
- Material Temperature in the Drum / Day-Tank should be held to 95°F or less

SPRING/FALL (ambient and substrate temperatures from 50°F to 85°F)

- A-side / B-side/ Hose Temperatures: 130°F to 135°F
- Spray Pressure: 1100 to 1200 psi (Static Pressure: 1250 to 1300 psi)
- Material Temperature in the Drum / Day-Tank: 75°F to 85°F

WINTER (ambient and substrate temperatures from 30°F to 50°F)

- A-side / B-side / Hose Temperatures: 135°F to 140°F
- Spray Pressure: 1100 to 1200 psi (Static Pressure: 1250 to 1300 psi)
- Material Temperature in the Drum / Day-Tank: 80°F to 85°F

To optimize performance following initial startup:

- To increase reactivity, increase pressures 100-200psi and reduce A/B/Hose Temperatures by 2°F
- To decrease reactivity, decrease pressure 100-200psi and increase A/B/Hose Temperatures by 2°F

MAXIMUM LIFT THICKNESS should be limited to 6 inches; additional passes may be applied immediately

Recommended process for switching from closed cell system:

We recommend and heaters be fully drained, and then 5-10 gallons of the open cell system be used to purge the remnants of the closed cell system out of the machine. After flushing and purging, we also recommend spraying off-target to confirm the flush/purge was effective. Note, some closed cell systems are harder to purge than others, so care should be taken with this process.

Recommended Storage Considerations:

We recommended storing the material between 50°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. GVP 500 OC NM is a true no-mix product that should stay in suspension without separating throughout its 6-month shelf-life; however, mixing the product should not create issues.

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 the full range of substrates typically encountered in building applications (i.e., wood, concrete, sheetrock, metal, and OSB boards.)

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.

701 Spinks Rd #400
Lewisville, TX 75067
Phone: (972) 420-4420
www.greenvalleyproducts.com