



VFI-630 PREMIUM GRADE ELASTOMERIC FLASHING COMPOUND

Overview

Description

VFI-630 is a premium-grade white water-based elastomeric mastic which cures to form a seamless membrane when applied to an acceptable substrate. VFI-630 is designed for use at various flashing and detail conditions when installing VFI's elastomeric coating systems. VFI-630 offers excellent adhesion, flexibility and resistance to ultraviolet degradation. VFI-630 passes the requirements of TAS 139: *Standard Requirements for White Roof Patch Specifications*.

Usage

- Suitable for use as a mastic-grade sealant for flashings and miscellaneous details on various roof surfaces and substrates.
- Designed for superior performance on metal roofing and concrete. Recommended for use to seal joints, seams, through-roof penetrations and fastener heads. Contact VFI Technical Services for clarification of unusual surfaces or project conditions.

Features and Benefits

Description

- Flexible, will expand and contract with movement of roof surfaces.
- Strength, provides a permanent waterproof seal at flashing details and fastener heads.
- Versatile, suitable for most surfaces and various roofing types.
- Stable, no migration of plasticizers and oils that can migrate and inhibit adhesion and product performance.

Physical Properties

Elongation (%)

- ASTM D 2370 200% minimum

Flexibility @ 15°F mandrel (pass/fail)

- ASTM D 522B Pass

Viscosity (cP)

- Brookfield RV6/20 RPM/77°F
 >50,000 cps

Tensile Strength (psi)

- ASTM D 2370 350 psi + /-50

Weather & Environmental Performance

Firm Set and Resistance to Water

- ASTM D 2939 Pass

Accelerated Weatherability @ 1000 hr (pass/fail)

- ASTM G 155 Pass

Fungi Resistance (pass/fail)

- ASTM G 21 Pass

Reflectance

- ASTM D 2824 79

Liquid Component Properties

Solids

- Weight – ASTM D 1644 70%
- Volume - ASTM D 2697 58%

Color

White

Liquid Material Density & Specific Gravity

- ASTM D 2939 10.6 +/- .50

VOC

- The volatile organic content is <50 grams per liter. Flash Point (°F) PMCC >212

■ **Storage Stability or Shelf Life**

Typically 12 months from date of manufacture when properly stored. Keep containers covered when not in use. Store at temperatures 40°F-100°F. Do not allow product to freeze. Discard if

Any observation of freezing water is present in the container upon freezing. Observe normal safeguards for storing and handling of this product prior to and during application.

Application

■ **Equipment**

Apply VFI-630 using thick uniform application using a trowel, putty knife or bulk sealant gun (Albion DL-45-01 or equivalent) for larger installations.

■ **Material Preparation**

Do not apply at temperatures greater than 120°F or less than 40°F. Store 24 hours at room temperature prior to application.

■ **Mixing**

Ensure the material is homogenous. Mix in any separated water from the surface.

■ **Substrate Preparation**

- All surfaces to receive coating must be clean, dry and free from any foreign matter such as dirt, oils, grease or other debris that could inhibit the adhesion capabilities of the newly installed products.
- Metal surfaces that display rusting or other oxidation, to be prepared with a grinder or wire brush as needed to remove surface contaminants. A primer may be necessary to encapsulate the remaining rusted surface.
- Existing roof systems to be visually inspected for conditions that may adversely affect adhesion of performance of newly installed products. Repair any visible deficiencies such as splitting, blistering, and buckling.
- Visually inspect all metal and non-metal flashings, edges, drains, valleys and through-roof penetrations and repair as needed by project conditions.
- Do not apply to wet or visibly damp surfaces, or surfaces previously covered with coal tar based products or Kynar finishes.

- Concrete surfaces cured with wax/resin based compounds can inhibit adhesion.

■ **Application**

- Apply VFI-630 to all laps, cracks or breaks in the surface condition extending a minimum of 2 inches on each side. Embed and back brush a single layer of polyester fabric to fully wet the fabric into the initial layer of mastic. Follow with a second equal application of VFI-630 and feather to limit excessive build-up of materials.
- Curing of VFI-630 will vary due to wet film thickness, ambient temperature, humidity and other climatic conditions. For best results, it is recommended to allow an overnight curing before the application of subsequent materials.
- Apply only when ambient temperatures are 50°F and rising. Cold weather could result in uneven application and improper curing of product. Do not apply if there is a threat of inclement weather within 4 hours of application.

■ **Clean Up**

Clean equipment and overspray with water. Clean hands with waterless hand cleaner.

■ **Precautions**

See Safety Data Sheet for complete safety data and handling of the product.

■ **Thinning**

Do not thin. Do not heat outside of container.

■ **Packaging**

- 2 Gallon Pail

For more information, contact us today at **800-307-9218**

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