

WATERBORNE URETHANE BONDING PRIMER

■ Description

VFI-1005 is a single component polyurethane dispersion.

■ Usage

A primer for difficult to adhere to plastic materials. These include flexible polyvinyl chloride (PVC) films, other flexible vinyl polymers, Hypalon rubber and

numerous other plastic substrates. VFI-1005 does not bond to silicones, EPDM rubber, polyethylene, polypropylene and fluorocarbon materials.

■ Color

Subdued yellow.

■ Consistency

A slightly gelatinous fluid.

Physical Properties

■ Chemical Resistance

Good solvent, acid and alkali resistance.

■ Water Vapor Permeability

VFI-1005 has a high water vapor permeability even though it is usually applied as a thin film.

■ Flammability

Non-flammable.

■ Toxicity

Not for use with edible substances or potable water.

■ Adhesion

Excellent adhesion to most plastics. Does not adhere to low surface energy materials such as silicones, fluorocarbons, poly-ethylene and polypropylene.

Liquid Component Properties

■ Coverage

Coverage on smooth single ply membranes will be 3/16 of a gal or 5 wet mils or 1 dry mil. On rough membranes, 1/3 gal or 10 wet mils or 2 dry mils.

■ Solids

Weight: 25.0%
Volume: 19.8%

■ V. O. C.

The Volatile Organic Compounds is less than 10 grams per liter.

■ Flash Point

Above 200°F T.O.C.

■ Storage Stability

One year. Protect from freezing in shipment and storage.

■ Thinning

Not recommended.

■ Mixing Instructions

Mix thoroughly before using. Slight separation tends to occur during storage.

Application

New vinyl films may have wax, oil or mold release on the surface. It is necessary to solvent wipe contaminated surfaces in order to achieve good adhesion. Weathered surfaces need to be detergent washed before priming. Apply primer by brush, roller or felt pad taking care to completely wet

the substrate. Primer should not be applied at temperatures below 50°F or during periods of high humidity. Primed surfaces may be recoated when dry to touch however ultimate adhesion to the substrate may require several days to develop.

Corporate Office: P.O. Box 344 / Brookfield, WI 53008 / 800-307-9218 / 262-787-0400 / Fax: 262-787-0500 / www.volatilefree.com

This information and technical advice provided herein are believed to be reliable and accurate to the best knowledge of Volatile Free, Inc., as based on tests and should serve only as a recommendation. As the manufacturer, Volatile Free, Inc. makes no representations or warranties of any kind, expressed, implied or statutory, including but not limited to all implied warranties of merchantability or fitness for use or a particular purpose for the product. Volatile Free, Inc. makes no representations or warranties as to the results of the use of the product and assumes no obligation or liability in connection therewith. Volatile Free, Inc. is not liable for any accidental or consequential damages of any sort from use of this product. The information provided herein is subject to change at any time without notice. Information changes may include, but are not limited to, commercial and technical changes, changes in pricing, physical characteristics and packaging.