

ADVANTAGES & BENEFITS

- Protects masonry surfaces from water damage
- Will not peel off like stick-on adhesives
- Wear-resistant and hard to damage
- Resists ponding water
- Extremely UV resistant
- Resists acid rain and chemical pollutants to protect from chemical spills and fallout damage
- Meets VOC emissions and regulations to eliminate facility downtime during installation.
- Non-toxic formulation is safe to apply
- Easy application and cleanup
- No special training or equipment required to install

Recommended uses:

- Waterproofing foundation walls
- Waterproofing basements
- Lining water-retaining structures
- Waterproofing masonry shrubbery boxes
- Priming structural and lightweight concrete for roofing
- Priming and texturing walkways and masonry decks

PRODUCT DESCRIPTION

VFI-608 is designed for waterproofing all types of masonry surfaces such as foundation walls, concrete panels, exterior basement walls, retaining walls and moisture- retaining structures such as cisterns, and concrete shrubbery boxes. Mixed with water and Portland cement, and fully reinforced with Fabric, it forms a hard- wearing, flexible compound. It is also resistant to standing water and ideal for subterranean waterproofing.

WARRANTY

See applicable warranties and guarantees for complete coverage and restrictions.

PACKAGING & SHELF LIFE

2 gallon (7.6 liter) bucket
 5 gallon (19 liter) pail

Shelf life 18 months if unopened containers stored between 40°F and 70°F.

PHYSICAL PROPERTIES

VFI-608 WATERPROOFING	
Tensile Strength	775 ±50 psi [ASTM C190]
Compressive Strength	5700 ±300 psi [ASTM C190]
Flexural Strength	1835 ±100 psi [ASTM C348]
Shear Bond Adhesion	550 ±50 psi [ASTM C190]
Abrasion Resistance	< 36mg loss [ASTMD4060]
Impact Strength	>80 inch-pounds [ASTM G14]
Hardness	>16 KHN [ASTM D1474]
Permeance	Class III vapor retarder

VFI-608 LIQUID – TYPICAL PROPERTIES	
Weight per Gallon	8.71 lbs/gal (1.05 g/mL) [ASTM D1475]
Solids by Weight	41.9% ±2 [ASTM D1644]
Solids by Volume	39.2% ±2 [ASTM D2697]

VFI-608 MIX – TYPICAL PROPERTIES	
Weight per Gallon	18.0 lbs/gal [ASTM D1475]
Solids by Weight	>83.0% ±2 [ASTM D5201]
Solids by Volume	>63.3% ±2 [ASTM D5201]

Values represented are typical but should not be construed as specifications.

APPLICATION INSTRUCTIONS

SUBSTRATE PREPARATION: Remove any loose or flaking particles, scale, dirt, or rust. Masonry and concrete surfaces should be dampened first to prevent moisture loss from the slurry.

MIXING: A slurry is prepared by mixing one part VFI-608 Waterproofing, one part cool water, and three parts Portland cement (Type I). First, add VFI-608 and cool water to a clean 5-gallon (19 liter) pail and mix with a slow-speed mechanical mixer for about 1 minute. Then, slowly add the Portland Cement (Type I) until a fully homogenous and lump-free slurry is produced.

When ambient temperature is above 80°F (26°C), add ice to cool down the slurry mix in order to help prevent premature gelling.

APPLICATION: Apply slurry mix to the dampened area and immediately embed the Fabric into the wet slurry. Fabric should lap by a minimum of four inches. Remove any air pockets or creases with a brush. Before the first layer dries, fully saturate the fabric with a second coat of slurry and allow to dry.

Once dry, apply a third and final coat of VFI-608 slurry mix. Allow 72 hours of curing time before backfilling area with soil or filling area with water. Apply when temperatures are above 50°F (10°C) and rising with no rain in the forecast or freezing temperatures for 24 hours. Apply product with a roof brush when used with fabric, priming with a roller (typically minimum 3/4" [19 mm] nap) or trowel as needed for crack filling or leveling. One gallon (3.8 L) of VFI-608 will make approximately four gallons (15.1 L) of slurry, which will cover approximately 50 ft² (4.6 m²) of the full VFI-608 reinforced with fabric. Coverage of slurry for dampproofing or priming may vary from 120–200 ft² (11.1–18.9m²) depending on condition of substrate.

COVERAGE: One gallon of VFI-608 will make approximately four gallons of slurry. The slurry will cover approximately 50 ft² of full VFI-608 that is reinforced with fabric. Coverage of slurry for dampproofing or priming may vary from 120–200 ft² depending on condition of substrate.

DRYING/CURING INFORMATION

The exact drying time for the VFI-608 will vary with environmental conditions. Typically the VFI-608 will dry in 1 hour at 70°F and 70% humidity. A full cure is generally obtained in 72 hours.

SAFETY & HANDLING

For specific information regarding safe handling of this material please refer to the Safety Data Sheet (SDS).

CLEAN UP

Thoroughly rinse application equipment with clean water.

Volatile Free, Inc.
19500 Janacek Court
Brookfield, WI 53045
800-307-9218
www.volatilefree.com

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