



# V-Wrap 779 HTg - Primer

## PHYSICAL PROPERTIES:

<b>Glass Transition Temperature</b> (ASTM 3418):	520°F (288°C)
<b>VOC Content:</b>	Less than 1% per volume
<b>Density:</b>	8.78 lbs/gal (1.1 kg/L)
<b>Tensile Strength</b> (ASTM D638):	9,000 psi (62 MPa)
<b>Tensile Modulus</b> (ASTM D638):	500,000 psi (3,450 MPa)
<b>Elongation at Break</b> (ASTM D638):	2%
<b>Flexural Strength</b> (ASTM D790):	16,000 psi (110 MPa)
<b>Flexural Modulus</b> (ASTM D790):	450,000 psi (3,100 MPa)
<b>Elongation at Break</b> (ASTM D638):	2%
<b>Compressive Strength</b> (ASTM D695):	19,000 psi (131 MPa)
<b>Compressive Modulus</b> (ASTM D695):	500,000 psi (3,450 MPa)
<b>Elongation at Failure</b> (ASTM D638):	7%

## DESCRIPTION:

V-Wrap 779 HTg Primer is a 100% solids, very low viscosity (penetrating, non-film building) priming resin. V-Wrap 779 Primer is used to penetrate the prepared concrete, masonry and wood substrates to provide high bond properties for the V-Wrap fiber systems. V-Wrap 779 HTg Primer is used with V-Wrap 776 HTg Putty Filler and V-Wrap 777 HTg Saturant.

V-Wrap 779 HTg Primer is a high temperature resistant, high glass transition temperature (Tg) resin that can be used with V-Wrap Fire Protection System to achieve up to 4 hours fire rating. It can also be used for elevated temperature applications for which typical solvent-based resins can not be used. Glass transition temperature of the V-Wrap 779 HTg Primer exceeds 520°F, making it an ideal candidate wherever high temperature performance is a necessity.

V-Wrap 779 HTg Primer is an environmentally friendly resin that emits less than 1% VOC and no HAP, solvents free, and minimum odor. The resin is perfect for healthcare facilities, hospitals, schools, industrial and highly populated areas as well as food and drug industries.

V-Wrap 779 HTg Primer can be UV cured for faster installation and to reduce interruptions to facilities operations.

## APPLICATION INFORMATION:

Mix Ratio: 1 Unit Part A to 1 Unit Part B (or fractions thereof).

### Approximate Pot Life:

30 min at 77°F (25°C)

## Surface Preparation:

V-Wrap 779 HTg Primer should be applied to prepared substrates that are dry, exhibit an open pore structure and are free of dust, oils, or other surface contaminants or bond inhibiting materials.

## Application Equipment:

A 1/4" (medium) nap roller is recommended for application.

## Mixing:

Part A must be mechanically premixed separately for 2 minutes. After premixing, blend Part A and Part B with a mechanical mixer for 2 minutes until a homogeneous mixture is achieved.

## Coverage Rate for Various Substrates:

Concrete:	250 ft <sup>2</sup> /gal (3.6 m <sup>2</sup> /L)
Masonry (Concrete):	125 ft <sup>2</sup> /gal (3.0 m <sup>2</sup> /L)
Masonry (Clay):	200 ft <sup>2</sup> /gal (4.8 m <sup>2</sup> /L)

Coverage rate on concrete and masonry may vary depending on density and porosity of the substrate. Contact a V-Wrap representative for appropriate coverage rates.

## Limitations:

Only apply V-Wrap 779 HTg Primer when the ambient temperature is between 45° and 100°F (7° and 38°C). Subsequent components of the V-Wrap system should be applied within 72 hours of applying V-Wrap 779 HTg Primer to the substrate to assure proper adhesion. If installed after more than 72 hours, surface may require cleaning, sanding and complete system should be tested for proper bond.



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## Clean Up:

Use methyl ethyl ketone or acetone. Observe fire and health precautions when using solvents.

## Observe Working Time Limitations:

Catalyze no more material than can be applied within the work time period. Available work time, temperature and complexity of the application area will determine how much material should be catalyzed at one time. Keep material cool and shaded from direct sunlight in warm weather. During hot weather, work time can be extended by keeping material cool before and after mixing or by immersing pot in ice water.

## HANDLING PROPERTIES:

Mixed Viscosity: at 77°F (25° C) 3,000 cps

## Color:

Part A	Amber
Part B	Clear
Mixed	Amber

## Shelf Life:

Stored at 70°F (21°C): 12 months (Part A and B)

## Packaging:

	Volume	Weight	Packaging
Part A	1.0 gal.	8.78 lbs	1 gal. pail
Part B	3 fl. oz.	3 oz.	3 fl. oz. bottle

## STORAGE:

Store in a cool, dry area (40° to 90°F (4° to 32°C)) away from direct sunlight, flame, or other hazards.

## SAFETY:

**WARNING:** Vapor may be harmful. Contains vinyl ester resins and curing agent. May cause skin sensitivity or other allergic responses. Keep away from heat, sparks or open flame. In enclosed areas or where ventilation is poor use an approved air mask and utilize adequate safety precautions to prevent fire or explosion. In case of skin contact, wash with soap and water. For eyes, flush immediately (seconds count) with water for 15 minutes and CALL A PHYSICIAN. If swallowed, CALL A PHYSICIAN IMMEDIATELY.

## HANDLING:

Use of approved personal protection equipment should be worn at all times. Particle mask is recommended for possible airborne particles. Gloves are recommended when handling fabrics and resins to avoid skin irritation. Safety glasses are recommended to prevent eye irritation. Wear chemical resistant clothing/gloves/ goggles. Ventilate area. In absence of adequate ventilation, use properly fitted NIOSH respirator.

Product Material Safety Data Sheets (MSDS) are available and should be consulted and on hand whenever handling these products.

These products are for professional and industrial use only and are only installed by trained and qualified applicators. Trained applicators must follow installation instructions.

## MAINTENANCE:

Periodically inspect the applied material and repair localized areas as needed. Consult a V-wrap representative for additional information

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