

**Product Name:****VIP9100 OMBRELLA Clear Water Repellent (VP9100)****Product Description**

VIP9100 OMBRELLA Clear Water Repellent is a clear above-grade Methyl-Methacrylate water repellent coating for use on a variety of new and weathered vertical masonry surfaces. When first applied it is milky in appearance, but quickly converts to a clear, tenaciously adhering bonding sealer. It may be utilized over pristine concrete surfaces which have been exposed to the weather and are showing signs of higher than average porosity and unwanted laitance. VIP9100 OMBRELLA Water Repellent contains 140.3 g/L VOC. Consult federal, state, and local regulations in your area.

**Basic Uses**

Uses: May be used to seal uncoated masonry surfaces, including but not limited to: Block, cast stone, concrete, limestone, brick, terracotta, marble, tile, pre-cast concrete, and granite.

**Technical Data**

<b>Property</b>	<b>Value</b>	<b>Test Method</b>
% Solids by Weight	22 ± 2%	Lab Value
% Solids by Volume	20 ± 1%	Lab Value
Viscosity	14 ± 2% seconds @ 77°F	Ford 4 Cup
Water Repellency	91% Minimum	ASTM C67-87
Moisture Vapor Transmission	40% Reduction	ASTM E96-80
Reflectance Change	5-10%	TT-141a Method 6121
Resistance to Efflorescence	No Efflorescence	ASTM C67-87
VOC	91.2 g/L	Calculated

Typical product data values should not be used as specifications.

**Surface Preparation**

The most important factor in achieving a durable, quality finish is proper surface preparation. The substrate must be free from all surface contamination such as dirt, dust, laitance, mold, mildew, mortar, mill scale, loose paint, surface efflorescence, grease, oil, excessive chalk, and foreign matter. The removal of grease, oil and dirt can be achieved by pressure cleaning while utilizing commercial degreasers. Neutralize chemical cleaners, and complete tuckpointing, crack and spalling repairs prior to the application of VIP9100. Remove previous coatings by mechanical means. Do not apply over coated surfaces without testing for compatibility and adhesion. Efflorescence can be removed by scraping and wire brushing the surface. Dust, dirt and chalk can be removed by high-pressure water blasting. To determine if the chalk has been sufficiently removed wipe hand over the dried surface; if a powdery colored residue is still visually evident on the hand, then more high-pressure water blasting is required to remove this chalky layer to a practical bare minimum. Removal of laitance and any other underbound chalk-like matter can be achieved by etching the surface with a dilute muriatic acid solution. Wear appropriate protective gear. Always be sure to read all manufacturer's instructions pertinent to degreasers and muriatic acid solutions prior to use.

**Method of Application**

Apply with a good brush, roller or spray equipment. Apply two coats with 10 to 15 minutes drying times between coats. The best method on all surfaces is by spray; the next best method is by roller. Do not use a garden sprayer. Do not flood coat. Atomize at lowest possible pressure. VIP9100 OMBRELLA appears with a milky blue cast when first applied, then turns transparent as it dries.

Protect plants and shrubs from excessive overspray.

Dries to touch in 10-15 minutes and can be coated within 1 hour.

Do not mix this product with any other materials. Thinning: This product is packaged "ready to use." Do not thin.

### **Equipment:**

Apply by brush, roller or low pressure spray until surface to be treated is sealed appropriately.

Brush Application: Use 4" nylon or foam brush.

Roller Application: Use 1/4"-3/4" synthetic roller cover. Do not over roll.

Airless Spray Application: Use .35 gpm with .013 - .015 tip @ 1500 psi.

### **Spread Rate & Coverage:**

Coverage: 200-250 sq. ft./gal. On broad cell construction block, split-faced block, and sand blasted concrete surfaces, text to assure that a continuous film can be formed. *Water repellency depends upon continuous film formation.* Coverage varies due to texture and porosity of substrate. Apply to a test area to determine specific requirements. Allow for application loss when estimating requirements.

Packaging: 5 gallon Pail

Color: Dries clear

DRYING TIME: 75°, 50% RH

To Touch - 1 hour.

To Recoat - 4 hours.

(Temperature and humidity dependent)

### **Clean Up**

Clean all equipment immediately after use with warm, soapy water.

### **Limitations**

- Do not apply when the temperature is below 50°F (10°C).
- Do not apply when relative humidity is above 90%.
- Not for use below grade or under water.
- Do not use on traffic-bearing surfaces.
- Ambient temperature must be 5°F above dew point and rising.
- Do not apply when there is a threat of rain.
- Do not apply to surfaces with excessive moisture content.
- Do not allow product to freeze. Do not apply over frozen or frost covered substrates.

VIP9100 Umbrella Water Repellant is available in the United States, through distributors. Contact your Momentive Performance Materials Customer Service Center at 877-943-7325 for more information.

### **Handling and Safety**

Material Safety Data Sheets (MSDS) are available upon request from Momentive Performance Materials. Similar information for solvents and other chemicals used with Momentive Performance Materials products should be obtained from your suppliers. When solvents are used, proper safety precautions must be observed. Do not breathe mist. Use only in well ventilated area. Wear respiratory protection if exposure to vapor or mist from processing is possible. KEEP OUT OF REACH OF CHILDREN.

### **Warranty**

Momentive Performance Materials warrants the performance of this product, provided it is properly stored and applied before the "use before" date shown. If not satisfied, return product and/or proof of purchase to address below and Momentive Performance Materials will, at its option, replace or refund the purchase price of this product. MOMENTIVE PERFORMANCE MATERIALS shall in no event be liable for any other damages in excess of the amount of the purchase price. THIS IS THE SOLE AND EXCLUSIVE REMEDY FOR DEFECTS IN, OR FAILURE OF, THIS PRODUCT, AND THE SOLE AND EXCLUSIVE LIABILITY OF MOMENTIVE PERFORMANCE MATERIALS COMPANY THEREFOR. THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES WRITTEN OR ORAL, STATUTORY, EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

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