

Product Name:
VIP7100 SMOOTH ELASTOMERIC WATERPROOF COATING
(VP7100, VP7120, VP7130)

Product Description

VIP7100 products are internally plasticized, premium-quality elastomeric waterproof coatings made with acrylic resins providing a minimum of 180% elongation. VIP7100 Elastomeric Coatings are available in Smooth and Textured in three tint bases and custom colors.

Basic Uses

Uses: VIP7100 Smooth Elastomeric Coating provides a flexible, long-lasting waterproof coating for use on exterior above-grade masonry, stucco, concrete block, poured and precast concrete, exterior insulation and finish systems (EIFS), brick, wood and metal.

Technical Data

Property	Value*	Test Method
% Solids by Weight	49.0 ± 2%	Lab Value
Viscosity	K.U.'s 122 ± 5	Stormer
Freeze/Thaw Stability	5 Cycles	Lab Value
% Elongation (To break)	240%	ASTM D-2370-82
Tensile Strength	230 psi (1000 UV hrs.)	ASTM D-2370-82
Water Vapor Transmission	Permeance: 13.3 Perms	ASTM D-1653-85
Mildew Resistance	No Growth	ASTM 3274
VOC		
VIP7100	51.0 g/L	Calculated
VIP7120	50.4 g/L	Calculated
VIP7130	50.2 g/L	Calculated

*Typical product data values should not be used as specifications.

Surface Preparation

New: The surface must be clean, sound, dry, free of any grease, dirt, oils, mildew, chalk, laitance, efflorescence, release agents, and other foreign materials. New masonry should cure 30 days prior to coating and have a pH of 11 or less. If the pH is higher than 11 after cure, the surface must be sealed with VIP1200 Acrylic Alkali-Resistant Surface Conditioner. Prior to applying VIP1200 Acrylic Alkali-Resistant Surface Conditioner, allow stucco and concrete block mortar to cure 3 days. Poured-in-place precast concrete should be allowed to cure 7 days.

Previously Coated: Remove all loose, peeling or flaking coating. Remove mildew and all other contaminants that will interfere with adhesion. Spot-prime all bare wood or metal with an appropriate primer. If chalk remains after cleaning, the surface should be sealed with Surface Conditioner. Always check for the new coating's adhesion to the previously painted surface by applying a test patch of 2-3 square feet. Allow to dry thoroughly; check adhesion by applying masking tape to a new coating and pull it off. If no coating is removed, good adhesion is assumed.

Patching and Sealing: All voids, cracks, cracked mortar joints, and meetings of dissimilar materials should be patched with VIP 5000 Series Sealants. All exterior openings such as air conditioner openings, window and door surrounds, vents, electrical conduits, expansion and control joints, etc., should be sealed with VIP5780 Acrylic Urethane Elastomeric Sealant. Refer to VIP technical data sheets for additional application information.

Method of Application

Coating is ready for use. Do not thin. Material may be applied by airless spray, power roller or conventional roller. Surfaces that have been properly prepared are to receive a pinhole free application of VIP7100 to achieve the recommended dry film thickness.

Power Roller: Apply a liberal coat and check application with a wet film gauge to ensure that minimum wet film thickness is obtained. Backroll in a downward motion to ensure a uniform finish with the stipple all in one direction. Coverage rate will vary and is dependent upon the texture and profile of the surface. Dry film thickness of completed project is based 10-12 mils dry.

Airless Spray: Apply a liberal coat in a cross-hatch pattern, check film thickness with a wet film thickness gauge to ensure that minimum wet film thickness is obtained. Coverage will vary and is dependent upon the texture and profile of the surface. Dry film thickness of completed project is based 10-12 mils dry. Wear respiratory protection if exposure to vapor or mist from processing is possible.

Conventional Roller: Apply in two coats, check application with a wet film gauge to ensure that the minimum wet film thickness of each coat is obtained. Keep roller cover saturated with material at all times. Finish off with a dry roller in downward direction to ensure a uniform finish with the stipple all in one direction. Second coat should be applied when material is no longer tacky (4-6 hours). Coverage will vary and is dependent upon the texture and profile of the surface. Dry film thickness of completed project is based on 10-12 mils dry.

Application tips:

- Boxtint material.
- Maintain a wet edge during application.
- Apply in a manner to provide a pinhole free film.
- Contact manufacturer with any questions prior to application.

Recommended Spread Rate & Coverage:

Spreading Rate: Recommended	55 - 65 sq. ft./gal.
Film Thickness: Wet	25 - 30 mils.
Dry	10 - 12 mils.

Packaging: 5 gallon pail.

Clean Up

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

Limitations

- Do not apply when the temperature is below 50°F or over 90°F.
- Do not apply when relative humidity is above 90%.
- 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.
- When using, do not keep in direct sunlight for prolonged periods.
- Do not use on horizontal traffic bearing surface or where ponding water may occur.
- Do not mix with additives.
- This is a breathing coating designed to let moisture vapor escape.
- Do not use as a vapor barrier.

VIP7100 Smooth Elastomeric Coating 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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