



V-8 REV M.V.P. (Moisture Vapor Protection) Clear Formula

Product Data Sheet

Product Description

V-8 Rev M.V.P. is a fast dry two part, 100% solids epoxy moisture vapor barrier. It is formulated to reduce and protect against moisture vapor that is formed in either green or old concrete during mixing. Eliminate the 28 day cure period of concrete before applying an epoxy, hybrid coating, carpet, vct, tile, or hardwood by using V-8 Rev M.V.P.. Rev M.V.P. can be applied at anytime after 24 hours of the concrete being poured. It can be used either as a primer or as a stand-alone product. An independent 3rd party testing lab found REV M.V.P. Clear Formula to have a perm rating of <0.1. This perm rating means that REV M.V.P. Clear Formula may be suitable for a variety of floor toppings such as vinyl tile, and sheeting, rubber backed carpet, hardwood and solvent free epoxy topcoats. Rev M.V.P. is designed to reduce a moisture vapor emission rate of 20 pounds to under 4 pounds as per the Calcium Chloride Test.

Benefits and Properties

- Eliminates 28 Day Cure Period
- Zero VOC's
- Low Odor/Solvent Free
- Low Mix Viscosity of 700 cps at 25°C
- Adequate Pot Life with Fast Re-Coat Times
- <.01 yield Rating (.10 perms)
- Can Be Applied to Slabs with 100% RH
- Adheres to Damp Concrete
- Complies with USDA Requirements

Xtreme Engineered Floor Systems
3303 Hudson Trails Dr.
Hudsonville, MI 49426
www.V8FloorCoatings.com

- Can Be Applied to Green Concrete in as little as 24 Hours. Consult Technical Services.
- Can be Pigmented (same pigment as other V-8 resins)
- Can be broadcast into

As a Coating For

- Primer or Base Coat for Vinyl Chip, Quartz, Mica, Platinum, or solid color floors with either our V-8 Hybrid XT, 6.0 High Performance Epoxy, Line Stripe, or Magnum Urethane Topcoat
- Concrete Floors
- Concrete Walls
- Can be used to Fill Control Joints
- As a Patching Material by Adding Silica Sand

Installations Limitations (Do not apply to)

- Oil Soaked Concrete
- Concrete with Curing Agents, hardeners, or densifiers
- Do not apply to surfaces with visible moisture.
- Do not apply when relative humidity of the room is over 85%.

Moisture Vapor Emission Testing

To determine moisture vapor emission rate, please test using the Anhydrous Calcium Chloride Test per ASTM F 1869-04. Call us for detailed testing procedure.

Application Temperature

V-8 REV M.V.P. can be applied in temperatures between 40 and 90 °F

Pigment Dispersions Available

Reviewed 02/27/2020





Use our V-8 Hybrid XT & V-8 Epoxy Pigment. We have 13 pigment colors available.

Packaging: Available in 3 gallon kits

Density (lbs./gallon) for Clear

- Part A = 9.75 Lbs.
- Part B= 8.67 Lbs.
- A+B Mixed= 9.21 Lbs.
- Mix ratio (A:B): 2:1

Color

Part A – Clear **Part B** – Amber **Mixed** - Clear

Viscosity

Part A – 500 to 800 cps **Part B** – 800 to 1200 cps **Mixed** – 700 cps

Surface Preparation

Concrete must be mechanically prepared by shotblasting to an ICRI Concrete Surface Profile of CSP 3. Do not acid etch. Grinding can be done in areas not accessible to shotblasting. Area must be free of all dust, dirt and debris prior to applying REV M.V.P. Clear Formula. Do not use sweeping compounds as they contain oil which will cause bonding issues.

Test Results

ASTM E96-10 – Sample Water Vapor Transmission of Materials

- 7 Days Perm Rating <0.1 (at 22 mils DFT) @ 75 SF per Gallon
- 28 Days Perm Rating <0.1 (at 17 mils DFT) @ 100 SF per Gallon

Coverage Rates as per ASTM F-1869 (Caci)

Residential and Commercial	Heavy Industrial
Up to 10 Pounds – 250 SF (6.4 mils)	Up to 10 Pounds – 150 SF (11 mils)
11 to 14 Pounds – 150 SF (11 mils)	11 to 14 Pounds – 125 SF (13 mils)
15 to 25 Pounds – 100 SF (16 mils)	15 to 25 Pounds – 100 SF (16 mils)
Green Concrete – 75 SF (22 mils)	Green Concrete – 75 SF (22 mils)

Above figures are given to serve as a guideline only. Coverage will depend on surface texture and porosity. Refer to instructions for coverages for broadcast.

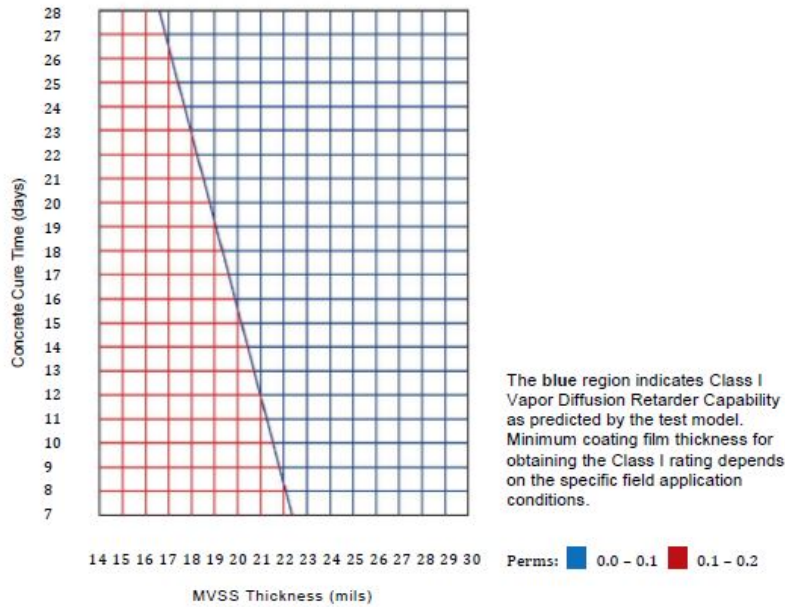
Set Times (Slab Temp)	50°F	73°F	90°F
Pot Life	45 Minutes	25 - 30 minutes	20 minutes
Re-Coat Time	16 Hours	12 Hours	8 Hours
Forklift Traffic	72 Hours	48 Hours	24 Hours
Full Chemical Resistance	9 Days	7 Days	5 Days

- Pot Life** @73°F = 25-30 Minutes
- Re-Coat** @ 73°F = 12 Hours
- Forklift Traffic** @73°F = 48 Hours
- Full Chemical Resistance** @73°F = 7 days
- VOC Ambient** 0 Grams per Liter





Moisture vapor as a function of concrete cure time and MVSS thickness (tested over 100% relative humidity concrete test panels)



Shelf Life One year in unopened Containers, Store out of direct sunlight in temps 50-90°F

Clean Up V-8 Rev M.V.P. while still wet can be cleaned up with a solvent such as acetone. If allowed to set and cure, mechanical grinding will need to be done to remove coating.

Precautions As with all epoxies, wear protective clothing and gloves. Read the Safety Data Sheet.

Technical Assistance For Technical Assistance with this product call Xtreme at 1-800-234-8208

Warranty V8 High Performance Floors coating products are manufactured to meet manufacturer's specifications at time of shipment, which may be subject to change without notice. Xtreme Engineered Floor Systems offers a full one year warranty against defects in materials only. Warranties concerning installation and floor life are to be provided by approved contractors (or installers) for specified periods. This warranty does not apply if products of other manufacturers are used in conjunction with V-8 High Performance Floors products. Warranty described herein shall be in lieu of any and all other warranties, including but not limited to warranties of merchantability or fitness for any particular purpose. No warranties extend beyond the description in this document. Buyer's recourse shall be replacement of product in the event of defective condition, from a period of one year from date of sale. No other remedy, at law or in equity including but not limited to incidental, consequential or compensatory damages for lost profits, lost sales, injury to person or damage to property or any other loss shall be available to buyer (s) under any theory of the law. Final determination of the suitability of the product for the use contemplated by buyer(s) and the manner of use by buyer(s) shall be the sole responsibility of the buyer(s). Xtreme Engineered Floor Systems shall in no manner be responsible for nor be required to indemnify buyer(s) for any action or claim reasonably due to an error by buyer(s) in arriving at such final determination by buyer(s). No representative of Xtreme Engineered Floor Systems has authority to give any other warranty or assume other liability. The presence of an Xtreme Engineered Floor Systems employee during the application of V-8 High Performance Floors products does not extend or alter the warranty or limitations in any manner whatsoever.

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