



V-8 REV M.V.P. (Moisture Vapor Protection) Gen 3

Product Data Sheet

Product Description

V-8 Rev M.V.P. Gen 3 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. Gen 3. 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. Gen 3 to have a perm rating of <0.1. This perm rating means that REV M.V.P. Gen 3 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. Gen 3 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 99% RH
- Complies with USDA Requirements

*Xtreme Engineered Floor Systems
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www.V8FloorCoatings.com*

- Can be applied to Green Concrete in as little as 5-7 Days. Consult Technical Support for anything shorter.
- 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 01/09/2024





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. Gen 3. Do not use sweeping compounds as they contain oil which will cause bonding issues.. Do not use sweeping compounds as they contain oil which will cause bonding issues.

Test Results

ASTM E96-22 – Sample Water Vapor Transmission of Materials

7 Days Perm Rating <0.1 (at 17 mils DFT) @ 100 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 20 Pounds – 100 SF (16 mils)	15 to 20 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	20-25 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 = 20-25 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

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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.



Typical Data

Pot Life @ 73°F (24°C)	20 to 25 minutes and 50% R.H. If temperature and humidity are higher, the curing will accelerate and the pot life will be shorter.
Cure Rate @ 75°F (24°C)	Foot traffic - 8 hours Light traffic 24 hours Heavy traffic or chemical spillage- 72 hours
Recoat Time @ 75°F (24°C)	From 12-24 hours. After 24 hours, monitor recoating.
Shelf Life	1 year in an unopened container.
Color	Clear or 12 different colors can be achieved with pigmentation.

Typical Physical Properties

Hardness (Shore D)	ASTIM D-2440	81-85
Bond Strength	ASTM D 4541	>400psi (2.76 MPa) (100% concrete failure)
Tensile Strength	ASTM D 638	7,571 psi (52.2 MPa)
Comprehensive Strength	ASTM D 695	11,400 psi (78.6 MPa)
Impact Resistance	ASTM D-2794	160 in-lbs (18.1 N-m)
Abrasion Resistance	ASTM D-4060	30-40 mg loss
<i>(cs-17 wheel, 1000 cycles, 1000gm load)</i>	Taber Abraser	
Flammability	ASTM D-635	Film is self-extinguishing
Slip Resistance	Equivalent to ASTM D-2047	Passes
Above typical values base on cure @ 75°F (24°C)		
VOC (g/l)	ASTM D2369-07	26.7 g/l
Elongation	ASTM 0638-22	3.8%

Xtreme Engineered Floor Systems, Inc. acknowledges that this product data sheet for R.E.V. M.V.P. Gen 3 is valid and correct to the best of our knowledge at the date of this publication, January 2024. Always contact Xtreme Engineered Floor Systems, Inc. before ordering to verify if any changes have been made as this product data sheet may change without notice. We are not liable for bad installations of this or nay V-8 product or misuse of product.