

Perdüre MVT+

Epoxy based moisture vapor treatment

düraamen
engineered to perform

DESCRIPTION

Perdüre MVT+ is a moisture vapor control system utilizing a unique water based epoxy which allows installation of epoxy resin floor systems and other moisture sensitive floor coverings on new concrete (5 days old) without fear of moisture entrapment. Perdüre MVT+ is applied in a two coat application.

Perdüre MVT+ reduces the passage of water vapor and moisture through slabs on above or below grade, thus eliminating delamination and blistering of adhesives, floor coverings, resin floor systems, epoxy terrazzo and coatings. It controls water vapor transmission levels for the installation of most floor covering systems, including VCT, sheet vinyl, carpets, wood, laminates, epoxy resin flooring and epoxy terrazzo.

ADVANTAGES

- Low VOC, water based
- Vapor and water barrier
- Barrier against radon and other gases
- High moisture tolerance
- Compatible with most flooring systems
- Does not support mold
- Easy to install
- Minimal downtime

SUBSTRATE REQUIREMENTS

- Substrate temperature must be a minimum of 55°F before, during and 72 hours after installation
- It must be used only on properly prepared surfaces
- Surface must be free to dirt, waxes, curing agents and other foreign materials

COLOR SELECTION

- Perdüre MVT+ is available in selected colors using pigment packs. 1 to 2 quarts per 5 gallon unit.

APPLICATION

Surface Preparation is the most critical portion of any successful resinous flooring system application. All substrates must be properly prepared as outlined in Düraamen Technical Bulletin # 1. Work must be performed by trained or experienced resinous flooring contractors. Shot blast or grind the concrete substrate to create a coarse texture surface profile minimum CSP-3.

INSTALLATION

Perdüre MVT+ is a two-component product. Part I and Part II are supplied in the correct mixing ratios. Always mix a complete unit in the proportions supplied. Do not alter ratios in any way.

Stir material for approximately 3-4 minutes to form a homogenous consistency using a slow speed drill and 'Jiffy' blade. Do not entrap excessive air. Scrape all sides and bottom of container to ensure thorough mixing.

PRIMING

Prime using Perdüre MVT+ thinned 10% with one pint of potable water per 1.25gal unit for good penetration. Apply with a squeegee and short nap roller to the properly prepared substrate. Back roll with the short nap roller to achieve a uniform coverage. Allow to cure enough for foot traffic, about 3-4 hours at 75°F.

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BODYCOAT

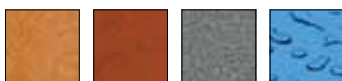
Add one (1) part of Perdüre MVT+ Part I to four (4) parts of Perdüre MVT + Part II. Thoroughly mix with a low speed drill until it is mixed uniformly with no lumps.

Apply mixed material using a 1/4" inch V-notched trowel or similar squeegee. Allow to self-level and backroll with a looped roller. A 1.25gal unit will cover 30ft² @ 1/16" thickness.

Broadcast the filler sand to excess (30-50lb/100ft²) to achieve 1/8" thickness or the filler sand can be blended with the Perdüre MVT+ mix @ 0.5-1.0gal of filler sand per 1.25gal of Perdüre MVT+. If the filler sand is broadcasted to rejection, sweep and vacuum excess or loose sand after it hardens for 16-24 hours (depending on the temperature). The total thickness of Perdüre MVT+ blended with filler sand must be no less than 1/8".

TOP COATINGS / FLOOR COVERINGS

Apply top coatings or resinous floor systems directly over broadcast surface. Prime the surface with appropriate primer. For other types of floor coverings consult with the manufacturer of floor covering.



düraamen engineered products, inc.

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CLEAN UP

Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or Lacquer thinner. Consult MSDS for safety and health precautions.

COVERAGE

Perdüre MVT+ yields 30ft² per 1.25gallon at 1/16" thickness.

AVAILABILITY

Perdüre MVT+ is available throughout the United States and Canada. Contact Düraamen representative in your area for details.

TECHNICAL SERVICE

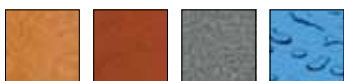
Düraamen Engineered Products, Inc. provides services and consultations on material selection, specification, troubleshooting, and other information on the proper repair and protection of concrete surfaces.

TECHNICAL DATA

Density	12.70lb/gal
VOC (mixed)	<1g/L
Volume of Solids	59%
Flash Point: Part A - Part B	>212°F - 170°F
Mixing ratio	1:4 by Vol
Pot life, approximate	60 minutes @ 75°F
Open to foot traffic	16 hours @ 75°F
Curing temperature	At least 50°F
Full cure	7 days
Hardness, Shore D	70-75
Compressive Strength ASTM C579	6500psi
Flexural strength ASTM C-580	2100psi
Adhesion to	
New Concrete (5 days)	110psi
Moist concrete (28 days)	550psi
Dry concrete (28 days)	580psi

WARRANTY

Düraamen Engineered Products, Inc. warrants for a period of one (1) year that its products will be free of manufacturing defects and will be in conformity with published specifications when handled, stored, mixed and applied in accordance with recommendations of Düraamen. If any product fails to meet this warranty, the liability of Düraamen will be limited to replacement of any non-conforming material if notice of such non-conformity is given to Düraamen within (1) one year of delivery of materials. Düraamen may in its discretion refund the price received by Düraamen in lieu of replacing the material. No customer, distributor or representative is authorized to change or modify the published specifications of this warranty in any way. No one is authorized to make oral warranties on behalf of Düraamen. In order to obtain replacement or refund the customer must provide written notice containing full details of the non-conformity. Düraamen reserves the right to inspect the non-conforming material prior to replacement. EXCEPT FOR THE EXPRESSED WARRANTY STATED ABOVE, THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PURPOSE. DÜRAAMEN'S OBLIGATION SHALL NOT EXTEND BEYOND THE OBLIGATIONS EXPRESSLY UNDERTAKEN ABOVE AND DÜRAAMEN SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO THE PURCHASER OR ANY OTHER THIRD PARTY FOR ANY LOSS, COST, EXPENSE, DAMAGE OR LIABILITY, WHETHER DIRECT OR INDIRECT, OR FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES.



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