Perdure MVT

epoxy based moisture vapor treatment

düraamen
engineered to perform

DESCRIPTION

Perdure MVT is a two-component epoxy-based coating formulated for superior moisture vapor transmission control on concrete substrates to prevent floor covering failures on concrete slabs with elevated moisture levels. It is an epoxy primer that may be suitable for use under a variety of floor coverings. Perdure PVT does not function as a crack bridging membrane.

ADVANTAGES

- Low mix viscosity at room temperature—easy to apply.
- Easy mix ratio
- Adequate pot life with fast recoat times.
- Can be applied to achieve a perm rating <0.10.

SUBSTRATE REQUIREMENTS

- Substrate temperature must be at least 500 F before, during, and 72 hours after the installation.
- The concrete substrate must have an effective vapor barrier directly under it.
- Substrate must be free from dirt, wax, curing agents, densifiers, shake hardener, ASR by products, unreacted silicates, chlorides, sulfurous compounds, hydrocarbons, and other contaminants.
- Suitable substrate preparation must be adopted to achieve a CSP of 4 or 5 as defined in ICRI Guidelines.
- If the concrete substrate has fibers, burn off exposed fibers with a torch after the surface is prepared/profiled.
- Core testing to exam slab for contaminants is not required but highly recommended. It is the responsibility of the property owner/manager to conduct the core testing and ascertain its quality.
- For concrete substrates with previously failed flooring systems. Core testing is required at the owner's expense.
- Concrete outgassing may create pinholes in Perdure MVT. Applying a second coat of Perdure MVT is recommended if the first coat has pinholes.
- Maximum atmospheric Relative Humidity 85%

APPLICATION

After the substrate is prepared as per the requirements mentioned above, mix the two components of Perdure MVT using an electric drill and paddle. Stir the resin and hardener separately prior to mixing them together. Avoid entraining excessive air into the blend during mixing. Thorough mixing is recommended by agitating at low or moderate speeds for a minimum of 3 to 5 minutes. Mix in small batches so that the mixed product is applied within its pot life. Please note that the volume of mixed quantity affects its pot life.

The mixed Perdure MVT is applied using a squeegee and roller to achieve the desired thickness. Do not apply to surfaces with visible moisture. Apply at the rate of 60 to 80 sq.ft. per gallon. Apply extra material to areas showing penetration and soaking into the concrete. All areas should have a uniform gloss. If the concrete is porous, it is recommended to apply two coats of Perdure MVT. The coverage rates depend upon the porosity and profile of the substrate. Allow it to cure (8 to 24 hours dependent on temperature and RH) before proceeding to the next step.

COMPOSITION

Perdure MVT is a highly cross-linked, alkaline resistant epoxy composition

COLOR SELECTION

Perdure MVT is clear, though it may be pigmented if necessary.

CLEAN UP

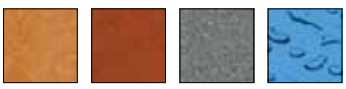
Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or Lacquer thinner. Consult MSDS for safety and health precautions.

COVERAGE

Perdure MVT yields 70 to 80 sq.ft. per gallon at 20 mil thickness depending upon the porosity and surface texture of the concrete.

TECHNICAL SERVICE

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



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TECHNICAL DATA

Bond strength to concrete ASTM D-4541	400-500psi 100% concrete failure
Permeability ASTM E-96	1 coat (10-12mil)—0.09 Perms 2 coats (20mil)—0.04 Perms
Water vapor transmission grams/hr/m^2 ASTM E-96	2,1 coat—0.023 2 coats—0.012
Hardness Shore D ASTM D-2240	77, 7 Day
VOC	Low VOC
Mixing ratio	2A : 1B
Pot life	20–30 minutes
Recoat time minimum	8–10 hours
These are typical values and should not be considered as specifications	

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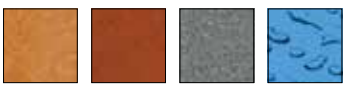

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