

# Perdure MVT+

## Oil-resistant moisture vapor barrier

### DESCRIPTION

Perdure MVT+ is a two component phenalkamine based epoxy coating designed to act as a moisture vapor barrier over concrete substrates. In addition to acting as a vapor barrier Perdure MVT+ exhibits excellent adhesion to oily concrete surfaces. The long aliphatic chain of the curing agent results in excellent water resistance and exceptionally low permeability. The low permeability of the coating helps prevent blisters from being formed in the floor coating when water vapor present in the concrete rises to the surface.

### ADVANTAGES

- Low mix viscosity at room temperature...easy to apply.
- Easy mix ratio (1:1)
- Adequate pot life with fast recoat times.
- Provides excellent bond to properly prepared concrete
- Can be rapidly resurfaced with a variety of finished floor coverings

### SUBSTRATE REQUIREMENTS

- Substrate temperature must be at least 50° 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, and other contaminants.
- Substrates contaminated with oils must be treated with appropriate cleaners.
- Suitable substrate preparation must be adopted to achieve 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 prepared/profiled.
- Core testing to exam slab for contaminants is not required but highly recommended. It is 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 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. 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 components of Perdure MVT+ is applied using a squeegee and roller to achieve the desired thickness. Do not apply to surfaces with visible moisture. 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 phenalkamine based epoxy coating

### COLOR SELECTION

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

### INSTALLATION

Stir the resin and hardener separately prior to mixing. Mix ratio is 1 Part A to one part B. Pour together and mix thoroughly for 60–90 seconds. Apply at the rate of apply 60 to 80 sq.ft. per gallon per coat or 120 to 150 sq.ft. per coat if applying two coats. Apply extra material to areas showing penetration and soaking into the concrete. All areas should show a uniform gloss and at least a 20mil thickness.

One coat of Perdure MVT+ is adequate, however, two coats will better withstand high pressures. Apply two coats of Perdure MVT+ at a rate of 120 to 150 sq.ft. per gallon with 30 mesh sand between the coats.

### CLEAN UP

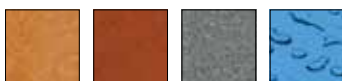
Clean skin with soap and water. Tools and equipment should be cleaned with Xylene or Lacquer thinner. Consult MSDS for safety and health precautions.

### COVERAGE

Perdure MVT+ yields 60 to 80ft<sup>2</sup> per gallon at 20 mil thickness.

### 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

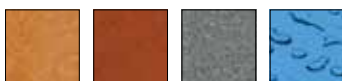


## TECHNICAL DATA

Perm Rating	0.1590 Grains/ft <sup>2</sup> /hr (WVT) 2.067 X 10 <sup>-8</sup> (WVP) @ 30 mil
Hardness Shore D ASTM D-2240	85
VOC	Low
Mixing ratio	1:1 by Vol
Pot life	15–20 minutes @ 70°F
Minimum recoat time	4–6 hours
Maximum recoat time	24 hours
These are typical values and should not be considered as specifications	

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