

BASIC USES

- Suitable for use in below and above grade applications on masonry, pre-cast, or poured in place concrete, and plywood surfaces where protection from water exposure is required. Available in both vertical and horizontal grades for foundations as well as split slab applications. Typical uses are plaza decks, planter boxes, tunnels, concrete tanks, sea walls, dams, reservoirs, parapets, and positive side of foundation walls

MANUFACTURER

Pecora Corporation

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PRODUCT DESCRIPTION

Pecora 500LM is a single component, moisture cure STPU, non-asphaltic, low odor, low VOC, cold fluid applied, low mil application waterproofing membrane. The 500LM-V (vertical) can be applied by roller, brush, or appropriate spray rig. The 500LM-H (horizontal) may be applied by V-notched squeegee, roller, or appropriate spray rig. A single application in both vertical and horizontal applications of up to 50 wet mils is possible. Perm rates below 1.0 perm can be achieved with applications as low as 15 mils DFT using both wet and dry cup test methods, allowing for coverage rates of up to 85 sq. ft. / gallon on smooth concrete or masonry.

Advantages:

- Non-asphaltic
- UV resistant
- Low/no odor
- Low VOC
- Low mil application
- Seamless
- Highly elastomeric
- Fast curing
- Excellent adhesive characteristics

- Cold applied
- Resistant to rain events
- Compatible with green concrete
- Compatible with EPS, Polyisocyanurate, and PU Foam Insulation

Limitations:

- Do not apply to contaminated or excessively damp or wet surfaces.
- Do not apply when surface temperatures exceed 100°F.
- Do not use as traffic bearing surface.
- Use protection board in backfill operations.

APPLICABLE STANDARDS:

ASTM C836, Can/CGSB 37.58.

INSTALLATION

Surface Preparation: All surfaces must be level, clean, and dry. Concrete should ideally be cured for a minimum of 14 days. Concrete surfaces should be finished to a smooth, flat steel trowel finish. Remove all foreign materials such as curing compounds, coatings, loose dirt, mortar squeeze out, and other contaminants by means of mechanical abrasion, high pressure air, sand blasting, solvent wipe, or vacuum to achieve a clean, dry, virgin surface. All seams, joints, and cracks exceeding 1/8" in width must be pre-sealed utilizing Pecora Dynatrol I-XL Hybrid joint sealant. Pecora 500LM may be applied immediately following sealant

PACKAGING

- 5-gallon pail

COLOR

- Black
- Custom colors available upon request.

application. For uneven surfaces with low spots exceeding 1/4" depth, applying a compatible parging compound may be necessary before installing the 500LM.

Application and Coverage:

The Pecora 500LM may be applied at rates varying from 15 to 120 mils DFT. Values exceed 112psi at 50 mils DFT when tested for hydrostatic pressure resistance. Perm ratings are below 1.0 perms at 15 mils DFT. The Pecora 500LM may be applied as low as 15 mils DFT coverage rate when surface irregularities are minimal, and a protection board is utilized in below grade, positive pressure applications. Coverage rates apply to vertical and horizontal grades. No primer is necessary for optimum adhesion when applying to clean, sound, and dry surfaces. All surfaces should be reasonably smooth. Application over unvented decks or under conditions that will create a significant moisture or vapor drive prior to full cure should be avoided to prevent the formation of voids or blisters at the membrane substrate interface.

TYPICAL PHYSICAL PROPERTIES

Test Property	Value	Test Method
Working Life, minutes @ 77°F/50%RH	90	Pecora Corporation
Color	Black	Pecora Corporation
Full Cure @ 75°F, days	3	Pecora Corporation
Hardness, Shore A	22	ASTM D2240
Ultimate Tensile Strength, psi	140	ASTM D412
Ultimate Elongation, %	375	ASTM D412
Low Temperature Flexibility	Pass	ASTM C836
Low Temperature Crack Bridging	Pass	ASTM C1305
Water Vapor Permeability @ 12mils DFT, perms	.32 (dry cup)	ASTM E96
	.34 (wet cup)	
VOC, g/L	30	EPA Method 24
Shelf Life	12 months	Pecora Corporation
Application Temperature	40°F to 120°F	Consult Pecora Technical Service if ambient temperatures are <40°F
Service Temperature:	-40° to 195°F	Pecora Corporation
Hydrostatic Pressure Resistance, 20 mils DFT, CMU	>112psi	ASTM C1306
Storage Temperature	40°F to 100°F	Pecora Corporation
Pull Off Adhesion, PSI CMU	35	ASTM D4541
% Solids, by volume	80.3	Pecora Corporation

Horizontal Applications 500LM-H:

Material should be poured onto surface and spread utilizing a ¾" notched squeegee to uniform specified coverage rate. The ambient and surface temperature at the time of application should be between 35°F and 100°F. Temperatures and humidity will affect material consistency and cure rates with colder temperatures slowing the rate of cure and causing the material to be more difficult to spread due to a higher viscosity. A minimum of 50 mils DFT or approximately 32 sq. ft. /gallon is required for horizontal split slab applications. Material should be fully cured before application of drainage mats or protection courses. Material may be spray-applied utilizing 5000 to 6000psi capable spray equipment.

Vertical Applications 500LM-V:

Material may be applied via roller, brush, trowel, or sprayed with appropriately sized (5000 to 6000psi) spray equipment. Contact the Pecora Technical Service Group for detailed recommendations on spray equipment. Coverage rates may vary dependent on surface irregularities and porosity. A minimum of 15 mils DFT or approximately 85 ft./gallon should be applied to vertical wall. Material should be fully cured before application of drainage mats or protection courses.

Refer to the 500LM application guide for detailed application guidelines or contact the Pecora technical Service group at 1-800-523-6688.

Precautions: Use with adequate ventilation and avoid breathing of the vapors. In closed areas, wear approved breathing apparatus, protective clothing and eye protection. Avoid contact with skin. Avoid ingestion.

**FOR PROFESSIONAL USE ONLY.
KEEP OUT OF THE REACH OF
CHILDREN.**

MAINTENANCE

Cured material may be re-coated with fresh material after proper surface cleaning with appropriate cleaning solution. Mineral spirits, IPA, or denatured alcohol may be used to prepare the surface to be re-sealed.

AVAILABILITY AND COST

Pecora products are available from stocking distributors nationwide. For the name and telephone number of your nearest representative, call the number below or visit our website at www.pecora.com.

WARRANTY

Pecora Corporation warrants its products to be free of defects. Under this warranty, we will provide, at no charge, replacement materials for, or refund the purchase price of, any product proven to be defective when installed in accordance with our published recommendations and in application considered by us as suitable for this product. This warranty is in lieu of any and all other warranties, expressed or implied, and in no case will Pecora be liable for incidental or consequential damages.

FILING SYSTEMS

CSI MasterFormat Designations:

- 07 14 00 – Fluid-Applied Waterproofing
- 07 14 16 – Cold Fluid-Applied Waterproofing

COVERAGE RATES

Wet Film Thickness, mils	Dry Film Thickness, mils	Square Feet per Gallon
20	15	85
25	20	65
38	30	43
50	40	32
75	60	22
150	120	11