



Coating Holdings LTD

1137 W Fond du Lac St
Ripon WI 54971

ORPMW (Poly Matrix Waterproofing)

Poly Matrix Description:

Poly Matrix is a bio-chemically modified silicate solution that provides long-term waterproofing and durability benefits to concrete. It penetrates into concrete and reacts with free calcium and water to form a calcium silicate gel complex in cracks, pores and capillaries. This gel creates a sub-surface barrier against the ingress of water and contaminants such as chloride ions.

Poly Matrix Advantage:

Poly Matrix will seal existing leaking cracks to 2.00mm. In the matrix, the product remains reactive when in contact with water to provide continuous healing properties to any future hairline cracks.

- Meets USDS regulations
- Penetrates for long-lasting protection
- Resistant to penetration of grease, oil, acids and salts

Poly Matrix Usage:

Poly Matrix is used to penetrate the surface and chemically bonds with which will last for a longer period of time than a coating.

- Parking Decks
- Airport Runways
- Bridges
- Tilt-Up Construction
- Water Retaining Structures
- Sports Arenas
- Distribution Centers
- Airport & Hangers
- Schools Pharmaceutical Plants
- Meat Processing Plants
- Convention Centers
- Malls

Penetrating CMW

- Meets USDA regulations
- Eliminates hairline cracks and curing cracking in new concrete
- Assists in providing a uniform cure on new concrete via chemical reaction
- Provides a complete moisture barrier
- Deeply penetrates concrete forming an efficient pore block within the concrete structure
- Provides surface waterproofing and structural waterproofing through the entire concrete slab
- Neutralizes alkali during the reaction delivering it to the surface for removal
- Protects surface coatings from capillary rise of moisture and vapor pressure
- Acts as an adhesion promoter for surface applied coatings
- Used in joint to stop water pressure from damaging joint material
- Surface will take color stain (acid stain)
- Resistant to penetration of grease, oil, acids and salts

Poly Matrix Application:

Precautions:

Protect glass, aluminum, wood and painted finishes from overspray.

Limitations:

Poly Matrix is not suitable for sealing working/volatile cracks as a result of structural defects or caused by mechanical damage. ORDC Polymer Repair is to be used. For construction joints or control joints use OR-JF polyurea.

Poly Matrix Shelf Life & Storage:

No known limit to shelf life. Store between 55° F and 85° F. Keep container sealed and avoid prolonged exposure to direct sunlight. Always agitate drum or container before use.

Poly Matrix Warranties:

20 year guarantees for treated areas, with approved applicators. Contact Coating Holdings LTD for further information on approved the concrete, or becoming an approved applicator

Typical Properties:

Diluting		Use as supplied
Odor		None
Toxicity		None
Flammability		None
Coverage per gallon		150-200 sq/gal
Environmental hazards		1 year
Shelf Life		Infinite
Solvent or clean up		Water & mild soap
Water Absorption	ASTM C-642	3.2% in 24 hours
Depth of Penetration		6mm into concrete
Comprehensive Strength	ASTM C-140	3,990 psi average
Untreated Concrete	ASTM C-140	3,415 psi average
Water vapor transmissions		21.7 grams/sq ft 24 hours

Warranty

The technical data and any other printed information furnished by Enhanced Flooring Products LLC (EFP LLC) are true and accurate to the best of our knowledge. ORPMW conforms to in house quality control procedures and should be considered free of defects. The data provided is believed to be reliable and is offered solely for evaluation. The use of this product is beyond the control of the seller therefore the buyer assumes all risks of use and handling whether done in a matter that is in accordance with the provided posted directions or not. EFP LLC makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.

11/08

Specializing in Polyethylene/Polyurea Protective Coatings and Equipment

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