



OR EM II (Extreme Marine II)

Product Description

- Two component, batch mix aliphatic polyaspartic coating
- Long pot life
- Moderate tack free time
- Good hydrolytic stability up to 160° F
- Excellent water resistance
- Good resistance to acids and hydrocarbon solvents
- Excellent resistance to oxygenated solvents, chlorinated solvents and inorganic bases. Ask for chemical resistant sheet
- No voc's/no odor
- Will not crack or break at any temperature

Primary Applications

- Intended for use as a clear or colorfast wearing and waterproofing membrane for pedestrian decks, auto decks and industrial flooring.
- May be used directly over the ORDuraCoat or ORDuraPatch to provide a less aggressive surface.
- Produces added luster and clean ability

Storage Stability

One year in unopened original containers at 40-90° F. Normally, containers should be used within one week after opening unless resealed with nitrogen blanket.

Application

Apply at a rate of 1 gallon per 160 square feet @ 10 mils. When using granules to provide a higher friction surface, a two coat process can be used. Apply one coat over the Dura Coat and granules; broadcast additional grit, then top coat if desired. Prime metal and concrete with OR511 or OR611 @ 1.5 mil thickness coverage rate @ 80 S.F. per lb of primer.

Typical Physical Properties

Tensile Strength	ASTM D-412 6000
Hardness (shore D)	ASTM D-2240 75±3
Density B side (dependent on color)	8.7 lbs/gallon
Density A side	9.1 lbs/gallon
Flash point	above 120° F
Viscosity B side (ASTM 2196)	1200 cps @23 C
Viscosity A side	1000 cps @ 23C
Coverage	1600 sq ft/gallon/mil.

Solids by weight	100%
Solids by volume	100%
Abrasion Resistant	ASTM-4060-30mg loss
Glass water permeability	ASTM D-523-60°/90+
Ultimate Elongation	ASTM D-412 100±25%
Tear Resistance (DIE C)	ASTM D-624 225±35pli, 39.4±6kN
Dry Film Thickness-exclusive of aggregate @ 1 gal/100 Sq.Ft.	11±2 mils, 279±50 microns

Mix Ratio

4 parts of A to 6 parts of B or 1 part A to 1.5 parts B by volume.

Mixing

Best results are obtained by pouring the part A into the mixing container first, and then mix polyol into the Part A

Pot life and cure time

Pot life of one gallon quantity is 20-30 min at 70° F. Higher temps and large quantities will shorten pot life and lower temps and smaller quantities will lengthen pot life. When applied at ½ gallon per sq ft, ORDuraClear will be ready for recoat in 1 hour at 70° F. Allow 3-4 hours after final coat before permitting foot traffic.

Equipment

Can be applied by notched trowel, medium nap roller, squeegee, brush, or spray with airless pump.

Color

Standard color is clear. Custom colors are available.

Coverage

1120 sq ft/gallon/mil

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. OREM II 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.

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