



OR80ALRE

(Aliphatic Roof Elastomer)

Product Description

- two component aliphatic polyurea
- roof elastomeric
- U.V. stable
- will not discolor
- 100% solids
- Conforms to USDA and FDA

Product Uses

-can be used for coating concrete, metals, foams, wood and geotextiles or other outdoor applications where color stability is important.

Product Applications

- *Secondary Containment
- *Wastewater and pool linings
- *Cold storage areas
- *Wash bay and car wash
- *Cooling towers
- *Water proofing
- *Roof coatings
- *Industrial flooring
- *Meat processing plants

Shelf Life: 1 year in an unopened container
Storage temperature 50°F-90° F

Primer: If needed, OR511 / OR611

Surface preparation: Call EFP LLC for this informational guide.

Adhesion properties:

Concrete (no primer) 400 PSI concrete failure
Steel (epoxy primer) 900 PSI Primer failures
Wood (no primer) 250 PSI Delaminating

Chemical resistance sheet call EFP LLC

Product coverage information call EFP LLC

Typical Process Condition

Resin Temperature (°F) "B"	150°-160° F
Isocyanate Temperature (°F) "A"	150°-160° F
Viscosity Part "A" (cps)	675
Viscosity Part "B" (cps)	750
Mix Ratio by Volume	1:1
Gel Time (seconds)	10 min
Tack Free Time (seconds)	<25
Spray Pressure	1,800 – 2,000 PSI

Coating Properties

Tabor Abrasion	ASTM D-4060	76
Hardness, Shore A	ASTM D-2240	80
Tensile Strength (psi)	ASTM D-412	2750
Elongation, ultimate (%)	ASTM D-412	550
Tear Strength, Die C,(pli)	ASTM D-624	375
100% Modulus (psi)	ASTM D-412	1700
Moisture Vapor Transmission (Perm Value)	ASTM E96-80	<0.10
Flash Point	ASTM Penske-Martin	<200
Weather ability	No evidence of discoloration or failure after 2000 hours (Xenon Arc)	

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. OR80ALRE 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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