



Oak Ridge™

Chemical/Equipment



Friendly Foam

Earth friendly..User friendly!

OR8K

(Aliphatic Polyurea)

Product Description

- Two component aliphatic Polyurea
- All of the great properties of a Polyurea
- U.V. stable
- Will not discolor
- 100% solids
- Conforms to USDA and FDA

Product Uses

-can be used for coating concrete, metals, foam, 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°-90° F

Primer: If needed, OR811 / OR611

Surface preparation: Call Coating Holdings Ltd. for this informational guide.

Adhesion properties:

Concrete (no primer) 400 PSI concrete failure
Steel (epoxy primer) 900 PSI primer failure
Wood (no primer) 250 PSI delaminating

Chemical resistance sheet call Coating Holdings Ltd

Product coverage information call Coating Holdings Ltd

One (1) gallon covers 160 sq. ft. @ 10 mils

Typical Process Conditions

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)	15 sec.
Tack Free Time (seconds)	<25
Spray Pressure	2,000 – 2,500 psi

Coating Properties

Tabor Abrasion	ASTM D-4060	80
Hardness, Shore A	ASTM D-2240	95
Tensile Strength (psi)	ASTM D-412	3950
Elongation, ultimate (%)	ASTM D-412	475
Tear Strength, Die C, (pli)	ASTM D-624	425
100% Modulus (psi)	ASTM D-412	1750
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)	

APPLICATION:

1. **Surface preparation** is **MOST important** (follow tech sheet)
2. OR811 or OR611 primer will be needed
3. Products applied with hi pressure spray equipment 160° F @ 2,000 PSI

Warranty

The technical data and any other printed information furnished by Coating Holdings Ltd are true and accurate to the best of our knowledge. OR90AL 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. Coating Holdings Ltd. makes no warranty; expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event

2/20/12

Suppliers of High performance Foam/Coating and application Equipment

Coating Holding LTD 575 Commercial Ave., Green Lake, WI 54941 800-625-9577 Fax 920-294-6830

www.oakridgepoly.com