

Product Technical Data Sheet

APPLICATIONS

- *Splash zone compound and coating*
- *Pile Grout*
- *Underwater injection and mortars*
- *DOT Epoxies*

FEATURES AND BENEFITS

- *Underwater and underground applications*
- *Outstanding Adhesion to Concrete*
- *1:1 mix ratio*
- *High Strength*
- *Good Damp Adhesion*



3835 State Route 72
Kirkland, Illinois 60146

www.epoxychemicals.com

Phone: 815-522-2308

FAX: 815-522-9041

e-mail: info@epoxychemicals.com

UW POLYAMINE

UW POLYAMINE is an amine curing agent ideally suited for use in under water applications. Hydrophobic molecules are reacted into the backbone to impart excellent damp and underwater adhesion.

UW POLYAMINE Properties

Appearance:	Straw Color
Viscosity(cps)	2,500
Density(lbs/gal):	8.5
Equivalent Weight:	143
PHR, L.E.R.	75

Starting Point Formulation for a Concrete Adhesive

Liquid Epoxy Resin (190 EEW)	100
UW Polyamine	100
Gel Time, mins	35
Compressive Strength (ASTM D695), psi	
1 day (neat resin)	8,945
7 days (neat resin)	10,760
Compressive Strength (ASTM C109), psi	
7 days (mortar)	11,650
Bond Strength (ASTM C882), psi	
Underwater (fresh water)	
2 day (moist cure)	2,075
14 day (dry cure)	3,100
Dry Application	
14 day (moist cure)	3,265
Water Absorption (ASTM D570)	
7 day, 24 hour immersion, %	0.23

Data presented are typical laboratory values.

Product Technical Data Sheet



DISPOSAL: Collect with absorbent material. Dispose of in accordance with current local, state and federal regulations

FIRST AID: In case of skin contact, wash immediately and thoroughly with soap and water. For eye contact, flush immediately with plenty of water for at least 15 minutes. Consult physician immediately. For respiratory problems, remove person to fresh air.

ENVIRONMENTAL SAFETY PRECAUTIONS: (Industrial Use Only) Corrosive. Contains amines. Contact with eyes or skin may cause severe burns. Can cause sensitization after prolonged or repeated use. Use of safety goggles and chemical resistant gloves is highly recommended. Use with adequate ventilation.

WARRANTIES: Seller warrants that the Products do not infringe upon any copyright, patent, or trademark or trade secret, nor violate the proprietary information rights of any third party. Seller warrants that its Products will conform to and perform in accordance with the Products' specifications. THE FOREGOING WARRANTIES, ARE IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THOSE CONCERNING MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. **LIMITATION ON LIABILITIES:** Because of the difficulty of ascertaining and measuring damages hereunder, it is agreed that, except for claims for bodily injury. Seller's liability to the Buyer or any third party, for any losses or damages, whether direct or otherwise, arising out of the purchase of Product from Seller by Buyer shall not exceed the total amount billed and billable to the Buyer for the Product hereunder. IN NO EVENT WILL SELLER BE LIABLE FOR ANY LOSS OF PROFITS OR OTHER SPECIAL OR CONSEQUENTIAL DAMAGES, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.