

FORSCH POLYMER CORP.

TECHNICAL DATA BULLETIN

EPS 2810

EPOXY POTTING & ADHESIVE SYSTEM

DESCRIPTION

EPS 2810 epoxy system is used mainly for civil engineering applications due to its unique tensile and adhesive properties. EPS 2810 slow set time allows for outstanding flow and surface wetting resulting in superior adhesion. Applications include grouts, concrete coatings, floor mortar, etc.

FEATURES

Unfilled
Rigid 85 D
Excellent Electrical Properties
Good Hydrolytic Stability
Long Pot Life
Outstanding Adhesion

<u>Liquid Properties</u>	<u>Epoxy 240A</u>	<u>AMN 360B</u>	<u>Mixed</u>
Appearance	Amber Liquid	Lt. Brown Liquid	Lt. Brown Liquid
Viscosity (cps)	10,000-15,000 (77F)	500-1,500 (77F)	3,000-5,000 (77F)
Density (lbs/gal)	9.50-9.70	9.00-9.20	9.30-9.50

PHYSICAL PROPERTIES

Hardness, Shore D	85
Dielectric Constant (KHZ)	3.46
Dissipation Factor (KHZ)	0.14
Volume Resistivity ohm-cm	2.0×10^{15}
Moisture Resistance 3 Weeks Immersion H ₂ O	
Weight Gain	0.5%
Impact Strength, Ft. Lbs/In	2.13
Compressive Strength (psi)	13,800
Tensile Strength (psi)	8,800
Elongation, %	6.00
HDT Deg F	150

EPS 2810 cont:

PROCESSING PARAMETERS

Process Epoxy resin 240A and Amine Hardener 360B between 55 and 150 Deg F.

Mold Temperature: 55 to 150 degrees F.

Mix Ratio: 100 parts Resin 240A to 50.0 parts Amine 360B by weight.

Degas mixture if possible.

Pot Life: (200g mass) (77 Deg F) 110 to 140 minutes.

Demold: 4-5 hours. Demold time maybe shortened by using higher mold and process temperatures.

Post Cure: 24 hours @ 77 degrees F.

STORAGE

Systems should be stored unopened in air tight containers at 60-90 degrees F.

HANDLING PRECAUTIONS

For complete and updated health and safety information, read the MATERIAL SAFETY DATA SHEETS. Do not handle or use until the MATERIAL SAFETY DATA SHEET has been read and understood.

This product is warranted to be of uniform quality within manufacturing tolerances. Since no control is exercised over its use, no warranty, expressed or implied, is made as to the effects of such use. The obligation herein shall be limited to refunding the purchase price of that portion of the material proven to be defective.