



Technical Bulletin
My Glue® Underwater Glue

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Patent Pending

Description

My Glue® Underwater Glue is a flexible, toughened, non-corrosive, structural adhesive specially designed for various applications and substrates, including wet or dry bonding of ABS, PVC, flexible PVC, CRS, composites, wood and cement. It has been formulated for superior peel, impact and fatigue resistance. It's toughness, imparted by flexibility, causes the energy required to break a bond to be significantly higher than brittle epoxies. Lap Shear Psi, plus high break-energy Psi afford bonds strength/resiliency.

Typical Properties

Mixed Color -----	White
Thixotrophy -----	Non-sagging gel
Elongation (%) -----	100+
% Solids (by Volume) -----	100
Density (gr./cc)	
Resin-----	1.25
Hardener-----	0.99
Mixing Ratio	
(PBW)-----	1.27:1
(PBV)-----	1:1
Working Time (7 gr. Min) -----	15-30
Cure Cycle (at 23°C)	
Handling Time-----	1-2 hours
Functional Cure-----	24 hours
Full Cure-----	7 days
Tensile Strength (Psi) -----	1,200+
Lap Shear (Psi)	
ABS-----	800+
Abraded ABS-----	800+
Acrylic-----	450+
Aluminum-----	1,000+
Ceramic (compressive shear)-----	1,600+
CRS-----	1,575+
Concrete (compressive shear)-----	2,000+
Copper-----	1,200+
Fiberglass gel coat-----	1,000+
Fiberglass resin-----	1,500+
HDPE (flame treated)-----	2,000+
Glass (compressive shear)-----	1,600+
PETG-----	600+
PVC-----	1,160+