



ADVANCED ADHESION INC.

MARKET-READY ADHESIVE FORMULATIONS

Technical Bulletin Mr. Sticky's® Tentacle Glue®

Date Issued: 04/01/04 iPropBulTentacle
Patent Pending

Description

Mr. Sticky's® Tentacle Glue® is a flexible, toughened, non-corrosive, structural adhesive specially designed for various applications and substrates, including exterior or interior wet or dry bonding of wood, metals ABS, PVC, ceramics and cement. It has been formulated for superior exterior performance, gap filling, 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
Viscosity (@ R.T., cps)	-----	(Resin 245,000) (Hardener 178,000) cps
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)	-----	1,000+
Lap Shear (Psi)		
ABS	-----	750+
Aluminum	-----	1,000+
Ceramic (compressive shear)	-----	1,500+
Cold Rolled Steel	-----	1,500+
Concrete (compressive shear)	-----	2,000+
Copper	-----	1,000+
Fiberglass gel coat	-----	1,000+
Glass (compressive shear)	-----	1,500+
PVC	-----	1,000+
Wood (Douglas fir)	-----	(.005" gap 620 S.F.) (.020" gap 447 S.F.)
Wood (Red Oak)	-----	(.005" gap 690 C.F./ S.F.) (.020" gap 728 C.F./ S.F.)
Wood (Hard Maple)	-----	(.005" gap 1,001) (.020" gap 1,008)
Flexural Modulus (Psi)	-----	8,000+

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