



ADVANCED ADHESION INC.

MARKET-READY ADHESIVE FORMULATIONS

Technical Bulletin Mr. Sticky's® Vibra-Bond™

Date Issued: 04/01/04 iPropBulVibraBond

Patent Pending

Description

Mr. Sticky's® Vibra-Bond™ is a flexible, toughened, non-corrosive, structural adhesive specially designed for various applications and substrates, including bonding of plastics, metals, rubber, 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. Excellent bond resistance to vibration, shrinkage/expansion, bending and shock.

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	800+
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+
PVC	1,400+
Flexural Modulus (Psi)	8,200+

PHONE (916) 961-4700, FAX (916) 961-3010, EMAIL INFO@A-A-I.NET
8004 CALIFORNIA AVENUE, FAIR OAKS, CALIFORNIA, USA 95628