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. Its 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+