



Technical Bulletin 33
Sonite EG-2 EPOXY

SONITE EG-2 is a heavily filled epoxy compound that can be troweled on vertical surfaces as thick as 1/2 inch without sagging..It is reddish-brown in color and sets at room temperature in a few hours. When fully cured EG-2 is hard and abrasion resistant making it suitable for various cementing and grouting purposes.

CHARACTERISTICS	PART-A	PART-B	MIXED
Color	Black	Red	Reddish Brown
Mixing Ratio by Weight	100	100	
Specific Gravity	1.59	1.63	1.61
Viscosity	7,000 poise	2,000 poise	Heavy Paste
HANDLING PROPERTIES			REFERENCE
Sag Resistance	ASTM D2730		1/2 inch
Pot Life (1/4-Pint)	ASTM D2471		45 mins
ADHESIVE PROPERTIES			Samples acid etched & cured 7 days @ <25C
Tensile Shear Adhesion	ASTM D1002		
Substrate	Exposure	Test Temp	Value
AL 2024-T-3	None	-50C	1,700 psi
"	None	25C	2,000
"	None	80C	700
"	30 days in tap water @ 25C	25C	2,500
"	7 days in 100% RH @ 65C	25C	2,900
Cold Rolled Steel	None	25C	4,100
BULK PHYSICAL PROPERTIES			-Samples cured 7 days @ 25C
Ult. Tensile Strength	ASTM D638	25C	4,900 psi
Elongation at Break		25C	0.7 %
Modulus of Elasticity in Tension		25C	385,000
Compressive Yield Str.	ASTM D695	25C	9,800
Modulus of Elasticity in Compression		25C	215,000
Hardness: Barcol 935 Impressor		25C	65

INSTRUCTIONS FOR USE. For maximum bond strength surfaces must be clean and free of any contamination. This product has a limited shelf life and should be used as soon as possible. Non-porous surfaces should be abraded to increase effective surface area then wiped clean with a solvent. Epoxy adhesives do not perform well on metals such as nickel, chromium, tin or zinc, or on soft thermoplastics like polyethylene. Refer to Bulletin of Information 9 for additional data.

Mix together thoroughly equal parts of A and B then apply with trowel or spatula. Allow to cure at least 16 hours @ 25C before putting in service. **Because no two applications are quite the same, a small test application to determine suitability for your project is recommended if performance of this material is in question.**

See IMPORTANT INFORMATION on reverse side

CAUTION. EG-2 Part-A is irritating to the eyes and skin. Avoid prolonged or repeated skin contact to prevent possible sensitization. Use only with adequate ventilation. If contaminated flush eyes with water for 15 minutes and seek medical attention. Remove from skin with waterless hand cleaner then soap and water. For further information refer to MATERIAL SAFETY DATA SHEET.

WARNING. EG-2 Part-B causes burns to the eyes. May burn the skin and cause sensitization. Vapors irritate the respiratory tract. If contaminated flush eyes with water for 15 minutes and seek medical attention. Remove from skin with soap and water. Use only with adequate ventilation. For further information refer to MATERIAL SAFETY DATA SHEET.

DISCLAIMER. The information contained in this bulletin is considered accurate. However, no warranty is expressed or implied regarding this accuracy, the results to be obtained from the use thereof, or that any such will not infringe a patent. User shall determine beforehand the suitability of this product for the intended application and assume all risk and liability in connection therewith.

Smooth-On, Inc. * 2000 Saint John Street * Easton, PA * 18042 * USA

Technical Hotline: (800) 762-0744

Website: www.smooth-on.com