

Structural Adhesives — 2 Part Epoxy



Creates long lasting load bearing joints

Features and Benefits:

- Toughened, smooth, thixotropic paste
- 1:1 Mix Ratio
- Sag resistant, can be used on vertical surfaces
- Very strong adhesion
- Resists vibration
- Resistant to temperature cycling
- Excellent chemical resistance
- Low shrinkage

Applications:

- Creating load bearing joints
- Bonding dissimilar materials
- Gap filling
- Bonding to sheet molding compound (SMC)
- Bonding to Glass-reinforced plastics (GRP)

We offer a choice of two Structural Adhesives:

9200 Structural Epoxy Adhesive

Offers superior tensile, compressive, and lap shear strength. Choose when a toughened adhesive with maximum mechanical properties is required.

9200FR Flame Retardant Structural Epoxy Adhesive

Meets UL94V-0. Use when a self extinguishing toughened adhesive is required.



Structural Epoxy Adhesives Comparison Chart

Cat. Number	9200	9200FR
Uncured Working Properties		
Mix Ratio by Volume (A:B)	1:1	1:1
Viscosity @ 25 °C [77 °F]	Thixotropic paste	Thixotropic paste
Working Time	30 min	30 min
Full Cure @ 22 °C [72 °F]	24 h	24 h
Full Cure @ 65 °C [149 °F]	3 h	3 h
Cured Properties		
Color	Yellowish grey	Light yellow
Density @ 25 °C [77 °F]	1.23 g/mL	1.29 g/mL
Hardness	76D	78D
Mechanical Properties		
Tensile Strength	16 N/mm ²	13 N/mm ²
Compressive Strength	64 N/mm ²	46 N/mm ²
Lap Shear Strength (Stainless Steel)	20 N/mm ²	14 N/mm ²
Electrical Properties		
Volume Resistivity	$2.5 \times 10^{13} \Omega \cdot \text{cm}$	$1.14 \times 10^{13} \Omega \cdot \text{cm}$
Breakdown Voltage @ 3.175 mm [1/8"]	51 kV	50 kV
Dielectric Strength @ 3.175 mm [1/8"]	16.1 kV/mm	15.7 kV/mm
Thermal Properties		
Thermal Conductivity @ 25 °C [77 °F]	0.31 W/(m·K)	0.40 W/(m·K)
Glass Transition Temperature (Tg)	44 °C [111 °F]	59 °C [138 °F]
CTE prior Tg	95 ppm/°C	79 ppm/°C
CTE after Tg	215 ppm/°C	126 ppm/°C

Available Packaging



Dual Syringes
9200-25ML
9200FR-25ML



Dual Cartridges
9200-50ML
9200FR-50ML



Dispensing guns and additional mixing tips sold separately.