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ER1005 Fast Set Epoxy System

ER1005 Epoxy System is a "5 Minute" two component structural epoxy adhesive system used for laminating, bonding and repairing items such as cold rolled steel (CRS), expanded polystyrene beadboard, most thermoplastics, aluminum, lauan, Melamine/Formica, Masonite, and plywood. **ER1005** is a 100% solids product containing no volatile solvent which might prove irritating to employees. **ER1005** can be applied manually when made up in small batches or with a meter/mix applicator. Because of the fast set time of the product, it is recommended for structural tacking applications where welding or riveting is impractical.

Typical Parameters:

Mixed Color:	Amber
Color of Component A:	Clear
Color of Component B:	Amber
Mix Ratio:	1:1 by weight or volume
Solids Content:	100% [No solvents.]
Gel Time, 100 Gram Mass at 75° F:	5 minutes
Thin Film Set Time at 75° F:	4 - 6 minutes
Mixed Viscosity:	12,000 cps
Tensile Shear Strength [Al to Al]:	1100 psi after 30 minutes 2100 psi after 1 hour 2800 psi after 2 hours 2800 psi after 4 hours
Compressive Strength:	10,200 psi
Elongation:	5 - 10 %
Operating Temperature:	-75° to 130° C [intermittent]
Shore D hardness after 40 minutes:	80 D
24 Hour Water Absorption:	<1%.
Shelf Life (in original container 23°C)	12 months

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