

Product Description

Epoxy VIBRA-TITE 905 is a fast setting adhesive that cures at temperatures as low as 41°F/5°C. For bonding and repairing small parts

Features and Benefits

Easy mix Ratio
Excellent chemical resistance
Cures without shrinking
Good impact resistance
Produces strong, rigid bond on metal, ceramics, wood, concrete, glass, or combinations
Casting can survive harsh chemical exposure

Properties of Uncured Material (resin)

Chemical Type	Epoxy
Appearance	Clear Liquid
Specific Gravity	1.16
Toxicity	Low
Solids	100%
Viscosity @ 25°C, cP	12,000
Flash Point (TCC), °C(°F)	>93(>200)

Properties of Uncured Material (hardener)

Chemical Type: Mercaptan/Amine
Appearance: Light Amber Liquid
Specific Gravity: 1.15
Toxicity: Low
Solids: 100%
Viscosity @ 25°C, cP: 14,000
Flash Point (TCC), °C(°F): >93(>200)

Properties of Cured Material

Vo. Mix Ratio, Resin: Hardener: 1 to 1
Wt. Mix Ratio, Resin: Hardener: 100:98
Gel Time, 100g (25°C): 5 mins
Fixture Time (25°C): 15 min.
Functional Cure (25°C): 4 hrs.
Full cure (25 °C): 8 hrs
Hardness @ 25°C, Shore D: 85

Performance Properties

(Substrates cured or 5 days @ 22°C)

T-Peel: 2-3 pli
Impact Resistance: 7 ft.-lb
Adhesive Lap Shear: 3,900 psi
Tensile Elongation: 1%
% Solids by Volume: 100%

General Information

Storage

Product should be stored in cool, dry conditions. VIBRA-TITE 905 when un-mixed has a shelf life of 12 months when stored at 25°C. Storage in cool, clean areas is recommended. Usable shelf life may vary depending on method of applications and storage conditions.

Note

The data are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is recommended that the product be tested in the application for which it is to be used.

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