



ENGLISH

Datasheet

Epoxy Resins & Adhesives

Quick Set Epoxy Adhesives

[RS Stock No. 132-605](#)



A Rapid Epoxy is a highly reactive two component adhesive in a twin syringe for easy, clean and accurate dispensing.

Uses:

For bonding metals, ceramics, glass, stone, wood and many hard plastics.

Curing:

Working life (20g 3 -4 minutes sample)

Room Temperature <10 minutes (200 - 250 C)

Low Temperature (50) ~ 2 Hrs.

Mixing Ratio:

1:1 by weight or volume. The correct mixing ratio is given automatically by the syringe dispenser.

Characteristics:

Epoxy Resin Hardener

Appearance Clear

Viscosity (250) 10 Pa.s 7 Pa.s

Epoxide Value 0.53 - S.G. @ 250 C g/cm³ 1.17 1.14

Flashpoint OC >200 ~ 90



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Bond Strength in Tensile Shear (DIN 53283):

Steel plates C 75, sand blasted @ 230C: Curing Bond Time Strength N/mm² 15 mins 1 30 mins 7 1
Hr 10 2 Hrs 12 4 Hrs 17 3 Days 25

Steel plates, C 75, sand blasted, after room temp. water immersion.

Storage Time:

Bond Strength N/mm²

Control Value 25 1 month 24 3 months 17

Steel plates, C 75, sand blasted, at various mixing ratios. Cured for 3 days @ room temp.

Mixing Bond Ratio Strength (by N/mm² weight) 100:80 25 100:100 25 100:120 24

Aluminium, pickled in chromic acid solution DIN 53281

Cure Time Bond Strength N/mm² 3 Days @ 14 room temp.

T-piece peel strength (DIN 53282), steel plates pickled in HCl (DIN 53281) Cure Time

Bond Strength N/mm²

3 Days @ room temp. 4