

AEROBOND 7300

Epoxy Adhesive for Structural Bonding

AEROBOND 7300 system is recommended for structural bonding of laminate, aluminium, wood and steel.

Its formulation with reactive elastomers gives flexibility, peeling and fatigue resistance. This system is often advised in the aeronautical field to bond aluminium honeycomb and for the ski industry.

Epoxy resin SR 7300

Aspect Nature	Non thixotropic viscous Liquid Epoxy Resin Bisphenol / epichlorhydrine
Characteristics	Modified with elastomer, do not crystallize
Colour	Yellow
Density @ 20 °C (Kg/l)	1.15 ± 0.01
Viscosity Brookfield (mPa.s) à 25 °C	42000 ± 1000

Hardener SD 7303

Aspect Nature	Non thixotropic viscous Liquid Polyaminoamide
Colour	Yellow
Density 20 °C (Kg/l)	1.00 ± 0.01
Viscosity Brookfield (mPa.s) @ 25 °C	25 000 – 35 000

Mix resin SR 7300 / hardener SD 7303

Viscosities Brookfield (mPa.s) à 25 °C	30 000 – 40 000
Mixing ratio by Weight	100 g / 40 g
Mixing ratio by Volume	100 ml / 50 ml or 2 volumes / 1 volume

Reactivity at 25 °C

Exothermic temperature (°C) on 100 g mix :	50 °C
Time to reach the exotherm on 100 g mix :	1h 30 '
Dust free on film of 500 microns environ :	4 H
Minimum time under pressure:	12 H

Minimum post-cure cycle before service

48 hours @ 25 °C
70 minutes @ 70 °C
20 minutes @ 130 °C

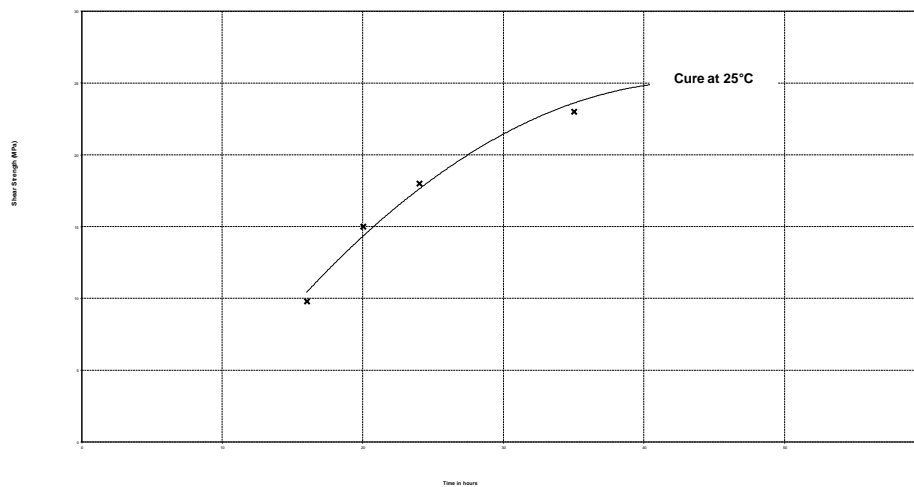
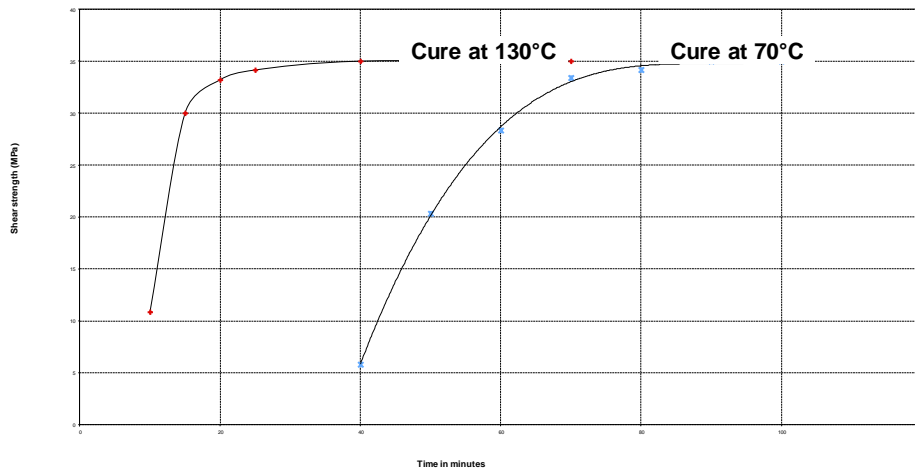
Temperature resistance :

Tg1 maximum : 65 °C (measurement done by DSC 30)

Shear strength

Bonding of steel / steel according to DIN 53 283.

Pre-treatment : Degreasing with alcohol



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