

# 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	Non thixotropic viscous Liquid
Nature	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	Non thixotropic viscous Liquid
Nature	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	<b>100 g / 40 g</b>
Mixing ratio by Volume	<b>100 ml / 50 ml or 2 volumes / 1 volume</b>

### 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)

## Toxicity / Labelling

References	Symbols	Dangers	Risks Phrases
SR 7300		Xi: Irritant N: Dangerous for the environment	R 36/38 R 51/53 R 43
SD 7303		C: Corrosive	R 21/22 R 34 R 43

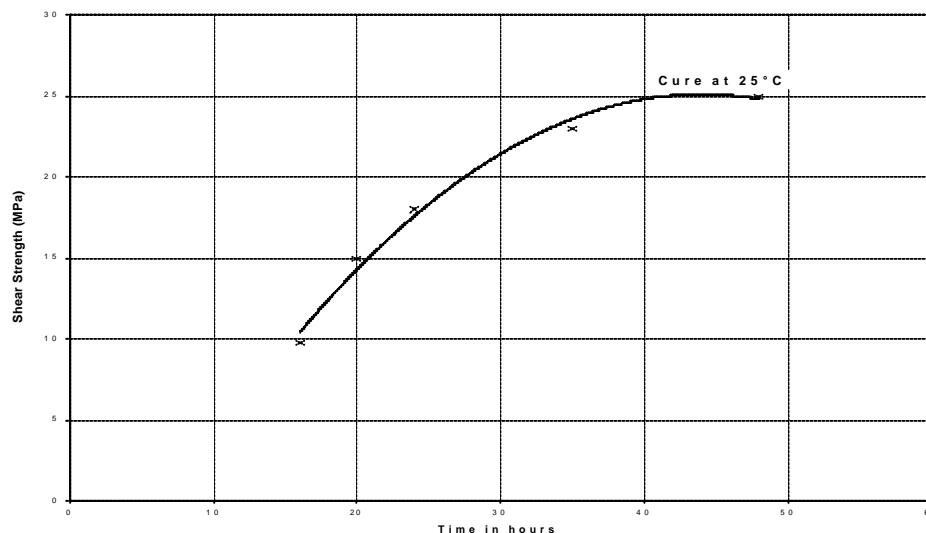
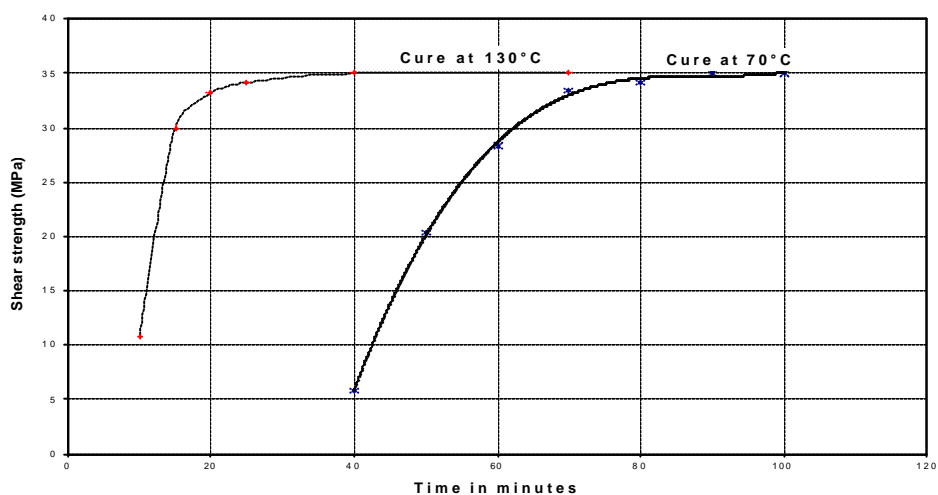
Classification CEE according to Annexe I of the Directive 67 / 548 / CEE

## Packaging

Kits ( kg)	SR 7300 (kg)	SD 7303 (kg)
7	5	2
1.4	1	0.4

## Shear strength

Bonding of steel / steel according to DIN 53 283. Pre-treatment : Degreasing with alcohol



The informations that we give by writing or verbally, in the context of our technical assistance and our trials, do not engage our responsibility. We advice the users of SICOMIN's epoxy system, to verify by some practical trials if our products are suitable for the envisaged processes and applications. The use, the implementation and the transformation of the supplied products, are not under our control and your responsibility only will respond for it. If our responsibility should nevertheless be involved, it would be, for all the damages, limited to the value of the goods supplied by us and implement by you. We guaranty the non-reproachable quality of our products, in the general context of sales and delivery.