

## SA 300

### Accelerator for Epoxy Systems

SA 300 is a very powerful accelerator for use with Epoxy Systems hardening with amines . It enables rapid hardening and reduces drying time at ambient temperature . It is compatible with all our commercial products .

#### SA 300 – Description

Increase in heat from the reaction and the speed of reticulation under film.

Acceleration is proportional to the amount of SA 300 which is added to the resin.

Unchanged the Glass Transition values of the system and mechanical performance.

Improve the surface quality of systems sensitive to surface pollution.

SA 300 is colourless, low viscosity, U.V. resistant.

Acceleration by SA 300 cannot substitute a post - cure.

A Glass Transition of above 60 °C can be achieved by a thermal treatment of above 40 °C

#### Method:

SA 300 is added to the resin before the addition of the hardener or after the two have been properly mixed

Do not add SA 300 directly to the hardener .

Ratio SA 300 / resin : 0.2 to 3% in the resin

SA 300 is treated as an Epoxy.

Example of dosage by weight ;

SR 8200	100 g	99 g	
SA 300		1 g	( 1% of the resin or 0.76% in the mix )
SD 8202	31 g	31	

Example of the acceleration of the system SR 1620 / SD 2622 by SA 300 :

SR 1620	100 g	99.5 g	99 g	97 g
SA 300	0	0.5 g	1 g	3 g
SD 2622	27 g	27 g	27 g	27 g
Gel time 150 g / 20°C	360 '	175'	110'	18'
Dust free at 25°C	6 hrs	4 hrs 30'	4 hrs	3 hrs 30'
Tg 1 (°C) / cure 16 hrs 60°C	84	85	84	82
Impact resistance (KJ / m <sup>2</sup> )	19	26	22	22

#### Packaging

200 g / 500 g

#### Safety data - (EEC Classification 91 / 155 / EEC Directive)

Products	Labels	Risks Phrases
<b>SA 300</b>	T: Toxic	R 36/38: Irritating to eyes and skin R 22 Harmful if swallowed R 24 Toxic by skin contact R 43: May cause sensitization by skin contact