

# Product Data Sheet

October 2012

## D-Cure 525

### Product description

**D-Cure 525** is a low viscosity polyamide curing agent which is characterised by excellent mechanical properties (in particular flexibility and adhesion), high chemical resistance and excellent corrosion resistance.

When combined with liquid epoxy resins (EEW = 190), **D-Cure 525** enables to obtain systems having a long pot-life (up to 2 or 3 hours). With solvenborne resins (EEW = 450 – 500), the pot-life considerably increases. Systems based on **D-Cure 525** can be applied by mean of a trowel or by spray-application, in function of the resin choice.

### Product applications

**D-Cure 525** is used in combination with liquid epoxy resins in the formulation of two-pack ambient curing systems. This curing agent is used in the formulation of solventfree coatings showing a high chemical resistance, in the formulation of adhesives and mastics.

**D-Cure 525** can also be used in combination with solid epoxy resins for the production of anticorrosion paints for the marine industry and of systems for the construction.

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## Product characteristics

Viscosity <sup>a</sup> @ 40°C	(mPa.s)	:	5000 - 12000
Gardner color		:	10 max
Solids content	(wt %)	:	100
Specific gravity @ 20°C	(g/cm <sup>3</sup> )	:	0.95
HEW <sup>b</sup>	(g/mol H)	:	145

a Brookfield viscosity

b HEW : Hydrogen Equivalent Weight (g/mol)

## System characteristics

phr <sup>c</sup> with liquid resin	(EEW <sup>d</sup> = 184 - 190)	:	78
Gel time <sup>e</sup> @ 23°C	(minutes)	:	90

c phr : Parts per Hundred Parts of resin

d EEW : Epoxy Equivalent Weight (g/mol)

e Tecam gel time, 100 g mass