

Product Data Sheet

February 2007

D-Cure 541

Product description

D-Cure 541 is a medium viscosity polyamide curing agent which is characterised by excellent mechanical properties (in particular flexibility and adhesion), a high chemical resistance and a good corrosion resistance. **D-Cure 541** also enables to obtain systems exhibiting a good heat resistance. When **D-Cure 541** is combined with a liquid epoxy resin, the pot-life of the systems is at least 140 minutes (if resin EEW = 190) and can be longer, in function of the resin choice.

D-Cure 541 is a lower viscosity version of **D-Cure 540**. The product offers the additional advantage of a lower hydrogen equivalent weight, enabling the customer to reduce formulation costs.

Product applications

D-Cure 541 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 541 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 ^a @ 40°C	(mPa.s)	:	1000 - 3000
Gardner color		:	8 max
Solids content	(wt %)	:	100
Specific gravity @ 20°C	(g/cm ³)	:	0.96
HEW ^b	(g/mol H)	:	95

a Brookfield viscosity

b HEW : Hydrogen Equivalent Weight (g/mol)

System characteristics

phr ^c with liquid resin	(EEW ^d = 184 - 190)	:	50
Gel time ^e @ 23°C	(minutes)	:	140

c phr : Parts per Hundred Parts of resin

d EEW : Epoxy Equivalent Weight (g/mol)

e Tecam gel time, 100 g mass