

Product Data Sheet

March 2009

D-Cure 212

Product description

D-Cure 212 is a low viscosity phenol-free Mannich base characterised by a very high reactivity combined with an excellent water and chemical resistance. It cures in the presence of moisture, can be used at low temperature (down to 0°C), on wet substrates and has an excellent blushing resistance.

Product applications

D-Cure 212 is used primarily in combination with liquid epoxy resins in the formulation of two-pack ambient curing systems. The typical applications are e.g. fast curing solvent-free protective coatings, primers, coal-tar based coatings, self-levelling and trowellable floorings or tank linings. **D-Cure 212** can also be used as accelerator for any other amine-based curing agent (e.g. D-Cure 305).

Mannich bases can be used as replacement for aromatic amines where a high chemical resistance is needed, for example in tank laminating applications.

Product characteristics

Viscosity ^a @ 25°C	(mPa.s)	:	500 - 800
Gardner color		:	3 max
Solids content	(wt %)	:	100
Specific gravity @ 20°C	(g/cm ³)	:	1.03
HEW ^b	(g/mol H)	:	85

a Brookfield viscosity

b HEW : Hydrogen Equivalent Weight (g/mol)

Product Data Sheet

System characteristics

phr ^c with liquid resin	(EEW ^d = 184 -190) :	45
Gel time ^e @ 23°C	(minutes) :	15

c phr : Parts per Hundred parts of Resin
d EEW : Epoxy Equivalent Weight (g/mol)
e Tecam gel time, 100 g mass