

DYNAPOL® Catalyst 1203

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General description

Catalyst 1203 is a non-ionic blocked acid catalyst, highly stable at room temperature and highly reactive above 110 °C.

Specification

Property	Value	Unit	Test method
Non volatile matter	50 ± 1	% by weight	DIN EN ISO 3251
Colour (Gardner)	≤ 4		DIN ISO 4630

Typical data

Viscosity (23 °C)	3,6*	mPa s	DIN EN ISO 3219
Refractive Index n_D^{20}	1.488		DIN 53 491
Density (20 °C) (solution)	0.95	g/cm ³	DIN 51 757
Flashpoint	29	°C	DIN EN 13736
Electrical resistance	>100	k Ohm	Evonik test method

* typical value

Uses

The catalyst is used to accelerate the crosslinking of stoving paints based on polyester or alkyd melamineformaldehyde resin combinations. In contrast to catalyzed systems containing free acid, the shelf life, electrical resistance and degree of brightness of paints containing Catalyst 1203 remain unaffected. Depending on the melamine resin-reactivity the catalyst activity manifests itself at stoving temperatures upwards of 110 °C. To optimize curing 3 – 8 % b.w. of Catalyst 1203 (on total binder) should be used according to the stoving temperature.

Supply Form

50 % in xylene.

Storage Stability

Protected from heat, sunlight, moisture and foreign materials, the shelf life of Catalyst 1203 is six (6) months from the date of delivery when stored in unopened original containers at temperatures below 25°C (77°F).

Packaging

195 kg (net) and 50 kg (net) in one-way drums.

Safety and Handling

Working with Catalyst 1203 protection of skin and eyes is recommendable. Please refer to our Safety Data Sheet.

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