TECHNICAL INFORMATION

DECOCAT D-50

DESCRIPTION:

DECOCAT D-50 is a multifunctional liquid cross-linker developed for polyurethane or acrylic coatings. It reacts completely with the carboxylic groups of the polyurethane or acrylic coatings and breaks their original structure and giving rise to a 3D structure. This 3D-structure increases the physical and chemical resistance and the resistance to hydrolysis.

Characteristics:

- Crosslinks at room temperature.
- Suitable for aqueous and solvent based systems.
- 4% to 8% addition provides enhanced:
  - Water and chemical products resistance.
  - Abrasion and mar resistance.
  - Adhesion to specific substrates.

TECHNICAL DATA:

Colour	Colourless.	
Viscosity	50 – 300 mPa.s (23 ± 2 ºC)	
Specific weight	1.00 – 1.10 Kg./l (23 ± 2 ºC)	UNE-EN ISO 2811-1

Chemical resistance: Varnish polyurethane gloss 1 component.

Application on wood and cured 7 days at room temperature.

	Uncrosslinked	+5% Decocat D-50
Ethanol (48% / 1 h.)	1	5
Ammonia (10% / 2 min.)	3	5
Water (16 h)	5	5
Acetone (10 sec.)	5	5
Ink (16 h)	3	5
Hand cream (16 h / 50ºC)	4	5

1 bad - 5 good

APLICATION:

Recommended applications:

- Should be added directly to the formulation just prior to use.
- The crosslinker mix should be used within 24 hours as it will slowly hydrolyse. Hydrolysed products have no adverse effects either on the wet varnish or on the dried films, additional crosslinker can be added to restore activity.

Pinturas Decolor
Industrial Estate El Salvador Avenue 3ª, Parcels 4 and 5
Apdo. 106 – 02630 La Roda (Albacete) Spain
Phone: +34 967 44 17 14 Fax: +34 967 44 33 54
E-mail: dptotecnico@decolor.com http://www.decolor.com

TECHNICAL INFORMATION

DECOCAT D-50

INSTRUCTIONS FOR USE:

- Perfectly homogenize the product to be crosslinked.
- The mixing ratio of DECOCAT D-50 should be 4 to 8%, in its supplied format. As this percentage of catalyst increases, the physical-chemical performance increases.
- A good mixture of the catalyst in the coating is necessary, usually a manual stirring is generally enough.
- The reaction takes place at room temperature, without the application of heat. Once the catalyst has been added to the coating, the hydrolysis starts is slowly. After 24 hours, the catalyst will lose its effectiveness considerably. Hydrolysed products do not have any adverse effects on coatings or dry paint films. It is simply necessary to add a new dose of catalyst to restore the reaction. On wet varnishes or dry films, the hydrolysed products do not have any adverse effects, so an additional cross-linker could be added to restart the activity.

PRESENTATION:

Metal packaging of: 250 ml

STORAGE:

24 months in closed original container under roof and temperatures between 5 °C and 35 °C and protected from the weather.

ADDITIONAL INFORMATION:

The information contained in this document serves as a guide for the user but does not constitute a guarantee. For information about safety and the environment, please refer to the Safety Data Sheet.

Pinturas Decolor
Industrial Estate El Salvador Avenue 3ª, Parcels 4 and 5
Apdo. 106 – 02630 La Roda (Albacete) Spain
Phone: +34 967 44 17 14 Fax: +34 967 44 33 54
E-mail: dptotecnico@decolor.com http://www.decolor.com