Dicco Crystal 90

DESCRIPTION

A two-component acid-catalyzed paint.

PRODUCT FEATURES AND RECOMMENDED USES

- A fast-drying, durable paint with good filling properties for interior use.
- Excellent color retention.
- Especially suitable for fast production lines.
- Contains no aromatic solvents.
- Suitable for furniture, doors and other wooden and mdf surfaces.

TECHNICAL DATA

Volume solids

51±2% (mixture)

Weight solids

64±2% (mixture)

Specific gravity

1.2 kg/l (mixture)

Mixing ratio

Paint	100 parts by volume	Dicco Crystal 90
Hardener	10 parts by volume	006 2098

Pot life (+23°C)

24 hours

Recommended spreading amounts and theoretical coverage

Recommended spreading amounts (unthinned)		Theoretical coverage
wet	dry	
120–130 g/m²	55–65 µm	10–11 m²/l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

Drying times

120–130 g/m²	**+23°C**	**+50°C**
Dry to touch, after	30–40min	5–15min
Dry to stack, after	4–5h	35–45min
Dry to pack, after	12–16h	60–90min

Stacking temperature below +35°C.

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

Gloss

Full gloss.

Color shades

RAL, NCS, SSG, BS, MONICOLOR NOVA and SYMPHONY colour cards. Temaspeed Premium tinting.

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APPLICATION INSTRUCTIONS

Surface preparation

Remove dust, loose particles and other impurities from the surface. Wood surfaces must be sanded with sandpaper P150–320. Sanding prior to the next application with sandpaper P240–400. All sanding dust must be removed.

Recommended primers

Diccoplast Primer, Diccoplast Plus TIX.

Application conditions

The surface to be treated has to be clean and dry. The moisture content of wood has to be below 18%. During application and drying temperature of the air, substrate and the product must be over +18°C and relative humidity of the air below 70%. Good ventilation is required to ensure optimal result. Product can be dried with or without oven.

Mixing components

First stir base and hardener separately. The correct proportions of base and hardener must be mixed thoroughly before use. Use power mixer for mixing. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface and weaken the properties of the coating.

Do not use iron containers as mixing container. Instead use plastic, enamel or acid resistant steel containers.

Application

Stir the paint carefully before use. Add 10 volume-% of Hardener 006 2098. Thin the paint to the viscosity required.

For airless spraying, the product is thinned approximately 15–20% to the viscosity 20–40s (DIN4). Recommended nozzle tip is 0.011"–0.015" and pressure 80–140 bar. Spray angle shall be chosen according to the shape of the object.

For air assisted airless spraying, the product is thinned approximately 15–20% to the viscosity 25–50s (DIN4). Recommended nozzle tip is 0.011"–0.015" and pressure 40–120 bar. Atomising air pressure should be about 1–3 bar. Spray angle shall be chosen according to the shape of the object.

For conventional spraying, the product is thinned approximately 15–20% to the viscosity 20–25s (DIN4). Recommended nozzle tip is 1.4–1.8 mm and the nozzle pressure 2–3 bar.

Thinners

Thinner 1025, Thinner 1027

Cleaning of equipment

Thinner 1025, Thinner 1027

VOC

The Volatile Organic Compounds amount is 410 g/litre of paint mixture.
Maximum VOC content in ready to use paint mixture (thinned 20% by volume) is 470 g/l.
VOC 2004/42/EC (cat A/j) 500 g/l (2010)

HEALTH AND SAFETY

Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets.
A health and safety data sheet is available on request from Tikkurila Oyj.

For industrial and professional use only.

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The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.