

Dicco Flex 30

DESCRIPTION

A two-component acid-catalyzed topcoat.

PRODUCT FEATURES AND RECOMMENDED USES

- A fast-drying, elastic topcoat for exterior use.
- Easy to apply even on vertical surfaces without sagging. Thixotrophy eases the application of dark colors.
- Good hiding power giving high-quality appearance to the painted surface.
- The emission level of this product fulfils the requirements of E1 classification for surface treatment materials. The product has been tested according to the standard EN 717-1, and its formaldehyde emission rate is less than 0.124 mg/m³ air.
- Recommended for wooden window frames and front doors.

TECHNICAL DATA

Volume solids 50±2% (mixture)

Weight solids 67±2% (mixture)

Specific gravity 1.2 kg/l (mixture)

Mixing ratio Paint 100 parts by volume Dicco Flex 30
Hardener 10 parts by volume 006 2098 or 006 2093

Pot life (+23°C) 48 hours

Recommended spreading amounts and theoretical coverage

Recommended spreading amounts (unthinned)		Theoretical coverage
wet	dry	
100–120 g/m ²	40–50 µm	11–13 m ² /l

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

Drying times

100–120 g/m ²	+23°C	+50°C
Dry to touch, after	40–60 min	20–30 min
Dry to stack, after	24 h	3–4 h
Dry to pack, after	2–3 d	6–8 h

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

Semi-matt.

Color shades

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

Dicco Flex 30

APPLICATION INSTRUCTIONS

Surface preparation	Clean surfaces from dirt, dust and loose material. Assure that surface is free from mold and blue stain. 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 Elastic Primer, Diccodur Primer.
Application conditions	The surface to be treated has to be clean and dry. The moisture content of wood has to be below 20%. During application and drying temperature of the air, substrate and 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	<p>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.</p> <p>Do not use iron containers as mixing container. Instead use plastic, enamel or acid resistant steel containers.</p> <p>Let the mixture stabilize 15 min – ½ hour and check the viscosity.</p>
Application	<p>Stir the product carefully before use. Avoid making foam.</p> <p>For airless spraying, the product is thinned approximately 10–20% to the viscosity 25–50s (DIN 4). 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.</p> <p>For air-assisted airless spraying, the product is thinned approximately 10–20% to the viscosity 25–50s (DIN 4). 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.</p> <p>For conventional spraying, the product is thinned approximately 10–20% to the viscosity 20–25s (DIN 4). Recommended nozzle tip is 1.4–1.8 mm and pressure 2–3 bar.</p> <p>Wood contains resin and other colouring extractives especially in knots. Temperature and humidity fluctuations may cause paint coat discolouration in these areas.</p>
Thinners	Thinner 1027, Thinner 1035, Thinner 1033
Cleaning of equipment	Thinner 1027, Thinner 1035, Thinner 1033
VOC	The Volatile Organic Compounds amount is 410 g/litre of paint mixture. VOC content of the paint mixture (thinned 20% by volume) is 470 g/l. VOC 2004/42/EC (cat A/j) 500 g/l (2010).
HEALTH AND SAFETY	<p>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.</p> <p>A health and safety data sheet is available on request from Tikkurila Oyj.</p> <p>For industrial and professional use only.</p>



Dicco Flex 30

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.