

# Diccodur Primer

## DESCRIPTION

A two-component polyurethane primer to fulfill high durability demands.

## PRODUCT FEATURES AND RECOMMENDED USES

- Forms an even and tight film, which protects the surface from resin and knot bleeding. The color of the surface remains even and flawless.
- Retards fiber swelling of wood. In addition to this, excellent hiding power and filling properties ensure the esthetic look of the final surface.
- Easy to sand, thus also ensuring adhesion of the topcoat. The primer can be overcoated both with water and solvent-borne products.
- Recommended for exterior wooden windows, doors and exterior quality wooden and fiber board surfaces.
- Also recommended for interior furniture, chairs, doors and wooden and fibre board surfaces.

## TECHNICAL DATA

### Volume solids

40±2% (mixture)

### Weight solids

59±2% (mixture)

### Specific gravity

1.3 kg/litre (mixture)

### Mixing ratio

Paint	100 parts by volume	Diccodur Primer
Hardener	20 parts by volume	Diccodur Hardener

### Pot life (+23°C)

6 hours

### Recommended spreading amounts and theoretical coverage

Recommended spreading amounts (unthinned)		Theoretical coverage
wet	dry	
110–130 g/m <sup>2</sup>	35–40 µm	11–13 m <sup>2</sup> /l

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

### Drying times

110–130 g/m <sup>2</sup>	+20°C	+50°C
Touch dry, after	1–2h	½–1h
Dry to sand, after	3–6h	1–3h

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

### Gloss

Matt.

### Color shades

White.

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## APPLICATION INSTRUCTIONS

<b>Surface preparation</b>	<p>Clean surfaces from dirt, dust and loose material. Assure that surface is free from mold and blue stain. Remove dust, loose particles and other impurities from the surface.</p> <p>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.</p>
<b>Recommended topcoats</b>	<p>Dicco Flex 30.</p> <p>Dicco Flex 30 for exterior use.</p>
<b>Application conditions</b>	<p>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 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.</p>
<b>Mixing components</b>	<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>Let the mixture stabilize 15 min–½ hour and check the viscosity.</p>
<b>Application</b>	<p>For airless spraying, the product is thinned approximately 5–20% to the viscosity 25–50s (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.</p> <p>For air-assisted airless spraying, the product is thinned approximately 5–20% 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.</p> <p>For conventional spraying, the product is thinned approximately 10–20% to the viscosity 20–25s (DIN4). Recommended nozzle tip is 1.4–1.8 mm and pressure 2–3 bar.</p> <p>For curtain coating, the product is thinned approximately 5–10% to the viscosity 40–60s (DIN4). Avoid too high pumping pressure and flowing speed.</p>
<b>Thinners</b>	<p>Thinner 1048, Thinner 1062</p>
<b>Cleaning of equipment</b>	<p>Thinner 1048, Thinner 1062</p>
<b>VOC</b>	<p>The Volatile Organic Compounds amount is 525 g/litre of paint mixture. VOC content of the paint mixture (thinned 20% by volume) is 565 g/l. Directive 2004/42/EC is not applicable in the use of the product.</p>
<b>HEALTH AND SAFETY</b>	<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><b>For industrial use only.</b></p>



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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.