

Akvidur Primer

DESCRIPTION

A two-component water-borne polyurethane primer.

PRODUCT FEATURES AND RECOMMENDED USES

- Excellent ability to slow down the discolouration of topcoats caused by resins. Resistance to bleeding is exceptionally good. Akvidur Primer penetrates into the wood structure and therefore effectively protects the surface against water and humidity. Together with a suitable topcoat, the primer helps extending the service life of the end product
- An all-round primer developed for fast industrial painting lines to replace conventional primers. Use of rapidly drying primer results in a short throughput time and high productivity in production. Can be topcoated with either water-borne or solvent-borne products
- Outstanding sanding properties, thus making it suitable for fast production lines. The primer can be sanded both manually and on sanding lines. The sanding process is more cost-effective when the same sanding material can be used for longer. Akvidur Primer ensures proper adhesion of the topcoat and can reduce the costs of sanding material
- Recommended for interior furniture, chairs, doors, moulding and wooden and fibre board surfaces

TECHNICAL DATA

Volume solids 46±2% (mixture)

Weight solids 63±2% (mixture)

Specific gravity 1.4 kg/l (mixture)

Mixing ratio
 Paint 100 parts by volume Akvidur Primer
 Hardener 5 parts by volume 008 7605 or 008 7606

Pot life (+23°C) 1 h

Recommended spreading amounts and theoretical coverage

Recommended spreading amounts (unthinned)		Theoretical coverage
wet	dry	
130–150 g/m ²	40–45 µm	9–10 m ² /l

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

Drying times

150 g/m ²	+20 °C	+50 °C
Touch dry, after	30 min	15 min
Dry to sand, after	1–2 h	30–45 min

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

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 topcoats	Akvi Top DS 25, Pinjadur 30, Dicco Crystal DS 25, Dicco Crystal 90.
Application conditions	The surface to be treated has to be clean and dry. The moisture content of wood have to be below 18 %. During application and drying temperature of the air, substrate and the product must be over +15°C and relative humidity of the air below 80%. 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.
Application	<p>For airless spraying, the product is thinned approximately 0–5% to the viscosity 30–50 (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 0–5% to the viscosity 30–50 s (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 0–10% to the viscosity 20–40 (DIN4). Recommended nozzle tip is 1.4–1.8 mm and pressure 2–3 bar.</p>
Thinners	Water
Cleaning of equipment	Water.
VOC	The Volatile Organic Compounds amount is 63 g/litre of paint mixture. VOC content of the paint mixture (thinned 10% by volume) is 57 g/l. VOC 2004/42/EC (cat A/j) 140 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.

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.