

# Akvi Isolator

## DESCRIPTION

A water-borne acrylate primer for retarding knot bleeding.

## PRODUCT FEATURES AND RECOMMENDED USES

- Retards knot and resin bleeding, thus slowing down discoloring of topcoat.
- Forms a smooth and dense substrate for the subsequent paint layer.
- A fast-drying water-borne primer with isolating properties.
- Outstanding filling properties.
- Recommended for wooden panels, mouldings, doors or other wooden surfaces for interior use.



## TECHNICAL DATA

Volume solids 36±2%

Weight solids 51±2%

Specific gravity 1.3 kg/l

### Recommended spreading amounts and theoretical coverage

| Recommended spreading amounts (unthinned) |       | Theoretical coverage  |
|---|-------|-----------------------|
| wet                                       | dry   |                       |
| 150 g/m <sup>2</sup>                      | 42 µm | 8–9 m <sup>2</sup> /l |

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

### Drying times

| 150 g/m <sup>2</sup> wet paint | +23°C  | +50°C    |
|--------------------------------|--------|----------|
| Dust dry, after                | 35 min | 5–10 min |
| Dry to sand, after             | 60 min | 5–10 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

|                               |  |
|-------------------------------|--|
| <b>Surface preparation</b>    | 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.   |
| <b>Recommended topcoats</b>   | Akvi Top DS 25.  |
| <b>Application conditions</b> | 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.  |
| <b>Application</b>            | <p>Stir the product carefully before use. Avoid flotation.</p> <p>For airless spraying, the product can be thinned approximately 0–5% by water if needed. Recommended nozzle tip is 0.013"–0.017" and pressure 80–160 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>For air-assisted airless spraying, the product can be thinned approximately 0–5% if needed. Recommended nozzle tip is 0.013"–0.017" and pressure 40–140 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 0–5% to the viscosity 60–80s (DIN4). Recommended nozzle tip is 1.4–1.8 mm and pressure 2–3 bar.</p> <p>Apply 1–2 times.</p> |
| <b>Thinners</b>               | Water  |
| <b>Cleaning of equipment</b>  | Water  |
| <b>VOC</b>                    | The Volatile Organic Compounds amount is 20 g/litre of paint. Maximum VOC content in ready to use paint is 18 g/l.<br>VOC 2004/42/EC (cat A/i) 140 g/l (2010)  |

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|--------------------------|---|
| <b>HEALTH AND SAFETY</b> | 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.<br>A health and safety data sheet is available on request from Tikkurila Oyj. |
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### 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.

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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.

