

# Ultra Pro H10

## DESCRIPTION

A water-borne one-component, polyacrylate exterior topcoat.

## PRODUCT FEATURES AND RECOMMENDED USES

- Ultra Pro H10 belongs to the Tikkurila ProHouse concept.
- A topcoat which does not need a separate primer.
- Contains alkyd for improved adhesion to bare wood.
- Fast drying line product which has excellent stacking properties.
- Protects the surface against moisture, sunlight and dirt.
- Extremely low water absorption.
- Delay water penetration into wood and therefore decreases moisture cracking of wood surface.
- Recommended wet film thickness 120–160 g/m<sup>2</sup> each layer (dry film thickness 40–50 µm).
- Recommended dry film thickness for two layers 80–100 µm.
- Can be coated with Ultra Classic paint in building site, if needed.
- Forms a fast drying and elastic film with low water permeability properties. 2 X Ultra Pro H10 provides excellent protection against water penetration, and thus suppresses cracking of timber by preventing water uptake also through the edges.
- Tested according to the standard EN 927-5.
- Environmental product declaration (EPD) in accordance with EN 15804+A2 & ISO 14025 / ISO 21930.
- Suitable for exterior wooden panels and claddings etc.



## TECHNICAL DATA

**Volume solids** 36%

**Weight solids** 43%

**Specific gravity** 1.12 kg / l

**Recommended spreading amounts and theoretical coverage**

Recommended spreading amounts (unthinned)		Theoretical coverage
wet	dry	
120–160 g/m <sup>2</sup>	40–50 µm	6–8 m <sup>2</sup> /l
2 x 120–160 g/m <sup>2</sup>	80–100 µm	3–4 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**

120–160 g/m <sup>2</sup>	+23°C	+50°C
Recoatable, after	2–4 h	5–20 min

Fast drying in convectional air drying oven with temperature +40–60°C.

Drying and recoating times are related to the porosity of wood, colour shade, drying time, film thickness, temperature, the relative humidity of the air and ventilation.

**Gloss**

Matt.



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## Color shades

The shades on the Wooden Facades colour card for exterior use. Avatint tinting system.



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## APPLICATION INSTRUCTIONS

<b>Surface preparation</b>	Clean surfaces from dirt, dust and loose material. Assure that surface is free from mold and blue stain.
<b>Recommended primers</b>	To be used without any separate primer.
<b>Recommended topcoats</b>	Ultra Classic, Ultra Matt.  Recommended topcoats are Ultra Classic and Ultra Matt depending on the required gloss level. Can be topcoated/repainted with Pika-Teho or Vinha on construction site, if needed.
<b>Application conditions</b>	The surface to be treated has to be clean and dry. Moisture content of wood has to be below 20%. During application 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 is recommended to be dried in oven.
<b>Application</b>	<p>Stir the paint carefully before use. Avoid flotation.</p> <p>For airless spraying the product is thinned approximately 0–2%. Recommended nozzle tip is 0.013"–0.015" and pressure 140–180 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 0–2%. Recommended nozzle tip is 0.013"–0.015" 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 0–2%. Recommended nozzle tip is 1.6–2.0 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>
<b>Thinners</b>	Water  Paint is recommended to be used without thinning. If needed thin with water max. 5%.
<b>Cleaning of equipment</b>	Water  or Tikkurila Tool Cleaner.
<b>Storage</b>	Opened and/or tinted packaging has more limited shelf life than unopened and untinted packaging.
<b>VOC</b>	VOC content of the " Ultra Pro H10" is 30±10 g/l. VOC 2004/42/EC (cat A/d) 130 g/l (2010)
<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.