

## DEMIDEKK Ultimate helmatt

### Product description

#### Type

**DEMIDEKK Ultimate helmatt** is a high quality, water soluble, opaque wood protection for exterior use, based on AMA (Alkyd Modified Acrylics) technology.



#### Features and benefits

The advanced binder technology ensures that the paint has a very long-lasting colour stability and very long maintenance intervals. The product gives the surface a completely matt exclusive look, which gives a unique color experience. Contains effective film conserving agents that prevent the growth of surface mold.

The combination of high quality binders and weather resistant pigments protects the wood against sunlight and provides very good weatherability. The product is easy to apply and has a creamy consistency. Dries quickly and achieves water resistance very quickly.

#### Recommended use

To be used in combination with **VISIR Oljegrunning**, as part of a system treatment. Recommended for new primed, previously stained or painted exterior woodwork.



JOTUN 3-i-1 Kraftvask

Vann/JOTUN Penselrens

### Product data

<b>Packaging size</b>	0,75 L (filling level 0,68 L). 3 L (filling level 2.7 L) and 10 L (filling level 9 L)
<b>Base availability</b>	A, B and C.
<b>Tinting</b>	Bases must not be used unless tinted. Bases must be tinted using <b>Jotun Multicolor</b> . Up to 10 % with <b>Jotun Multicolor</b> colorants.
<b>Gloss level</b>	Completely Matt 3
<b>Generic type</b>	Based on the AMA (Alkyd Modified Acrylics) technology.
<b>Solids by volume</b>	40 ± 2 volume% (A-base / C-base)
<b>Specific gravity</b>	1.28 - 1.15 (A-base / C-base)
<b>pH value</b>	8.2 to 8.8
<b>VOC for Ready-for-Use Mixture</b>	EU limit value for the product (cat. A/d): 130 g/l. The product contains max 75 g/l VOC.

## Application data

### Remarks

To ensure long durability it is important to apply a sufficient amount on edges and planed surfaces, min. 3 coats (100 µm dry paint film). Sand down sharp edges. Saturate all end grains/cut surfaces thoroughly, apply 3-4 coats wet-on-wet. Perform a test application.

Can not be mixed with other paint products and do not mix in oil additives.  
 Stir well both before and during use.

Previous tar/mineral oil treatment and knots may cause discolouration/blistering of the topcoat. Linseed oil / oils in the substrate can cause blisters and flaking. Sun on semi-dry treatment may cause skin drying and sun blisters. Painting on fire protected cladding may cause salt precipitation/flaking.

Bases must be tinted using **Jotun Multicolor**. Content of cans from different productions and different tinting systems may cause shade differences. Measures one can take to avoid colour differences:

- Mix the content in cans with different batch numbers together. Stir well.  
The production number can be found after the letters SZ or SV on the label in the front of the can.
- It is advantageous to use the same batch number within the same defined area. Changing the can in the middle of the wall or confined area, increases the possibility of a visible colour difference.
- There may be colour differences of paint which are mixed on different tinting machines and / or at different times. Please be aware of this if you need to buy more paint / opaque stain / stain for the same project at a later time.
- If you notice any visible differences, contact your point of sale or Jotun Technical Service (tel. +47 33457530).

### Application equipment / methods

Brush, roller or spray.

### Guiding data for airless spray

<b>Nozzle tip</b>	0.46 mm (0.018")
<b>Spray angle degrees</b>	65–80°
<b>Pressure at nozzle</b>	15–18 MPa (150–180 kg/cm <sup>2</sup> )

### Cleaning of painting tools

Water and **JOTUN Penselrens**.

### Thinner

Shall not be thinned. Do not mix in oil additives.

### Spreading rate and film thickness

	Spreading rate per coat (m <sup>2</sup> /liter)	Film thickness per coat (µm)	
		Wet (calculated)	Dry (calculated)
<b>Recommended, sawn wood:</b>	5 – 9	111 – 200	44 – 80
<b>Recommended, planed wood:</b>	10 – 14	71 – 100	29 – 40

### Conditions during application

Air and surface temperature must be above +5 °C during application. Not to be used in direct sunshine.

Do not paint if there is a risk of condensation or rain and wait until the film is dry.

When there is a risk of condensation, finish the painting in time to dry before condensation occur.

- High humidity (RH%) significantly prolongs the drying time for waterborne products.

- Warm air can hold more moisture than cold air, and in case of temperature drop this can cause condensation.
- Stagnant air retards the drying, and can provide higher risk of condensation.
- Low temperature and condensation can provide inadequate film formation/curing.

The product contains effective agents against surface mould. In unfavorable drying and curing conditions, a visible yellow discoloration on the surface might occur. This is a surface phenomenon that will disappear after some time under the influence of light and UV rays. The phenomenon will not affect the product's effectiveness against surface fungi or otherwise impair the product's quality and durability.

## Drying times

Variations by changes in temperature, humidity, wind conditions and film thickness.

### The drying time is measured by stated values:

<b>Relative Humidity (RH)</b>	50 %	50 %	50 %
<b>Air temperature</b>	23 °C	15 °C	5 °C
<b>Substrate temperature</b>	23 °C	15 °C	5 °C

<b>Dust dry</b>	0.5 h	1 h	1.5 h
<b>Recoatable, minimum</b>	2 h	3 h	6 h

TORKTID/TØRRETID	Dammtorr/ Støvter	0t	0,5t	1t	1,5t	Intervall mellan strykningar/ Interval mellem påføringer	0t	2t	3t	6t	Vid/Ved ca. 50 % luftfugtighed/ luftfugtighed
		+23° C	+15° C	+5° C			+23° C	+15° C	+5° C		

Hög luftfuktighet och låg temperatur förlänger torktiden/Høj luftfugtighed og lav temperatur forlænger tørretiden.

## Directions for use

The substrate must be clean, sound and dry. For the best possible edge coverage, sand down sharp edges.

Substrate	Treatment
New woodwork:	<p>Fresh wood left untreated for more than 4 weeks should be cleaned using NO: <b>JOTUN 3-i-1 Kraftvask og soppfjerner</b> / SE: <b>JOTUN 3-i-1 Kraftvask och mögeldesinfektion</b> and brushed with a wire brush.</p> <p>Bare, fresh wood to be primed with 1 coat <b>VISIR Oljegrønning pigmentert</b>. Use <b>VISIR Oljegrønning klar</b> during the cold season when the air and surface temperature is below +5 °C. The primer must be brushed out thoroughly. Apply 3-4 coats wet-on-wet to the end grains/cut surfaces.</p> <p>Topcoat: New, planed woodwork: 3 coats <b>DEMIDEKK Ultimate helmatt</b>. New, unplanned wood: 2 coats <b>DEMIDEKK Ultimate helmatt</b>.</p>
Previously treated wood:	<p>Previously treated wood should be cleaned using NO: <b>JOTUN 3-i-1 Kraftvask og soppfjerner</b> / SE: <b>JOTUN 3-i-1 Kraftvask och mögeldesinfektion</b>. Observe use instructions. Remove loose paint and wood fibers by wire brush or scraping. Sand glossy and hard surfaces.</p> <p>Bare spots (from drybrushing/scraping) to be primed with <b>VISIR Oljegrønning</b>. Use <b>VISIR Oljegrønning klar</b> during the cold season when the air and surface temperature is below +5 °C. The primer must be brushed out thoroughly. Apply 3-4 coats wet-on-wet to the end grains/cut surfaces.</p> <p>Topcoat: 2 coats <b>DEMIDEKK Ultimate helmatt</b>.</p>
Factory-primed cladding:	<p>Must be treated within 1 month.</p> <p>Apply <b>VISIR Oljegrønning pigmentert</b> to the end grains/cut surfaces. Saturate thoroughly, apply 3-4 coats wet-on-wet. Use <b>VISIR Oljegrønning klar</b> during the cold season when the air and surface temperature is below +5 °C.</p> <p>Topcoat: New, planed woodwork: 3 coats <b>DEMIDEKK Ultimate helmatt</b>. New, unplanned wood: 2 coats <b>DEMIDEKK Ultimate helmatt</b>. Remember to coat end grain.</p>

### Additional information

The product should be shaken before delivery from store.

### Maintenance

Wash the woodwork with NO: **JOTUN 3-i-1 Kraftvask og soppfjerner** / SE: **JOTUN 3-i-1 Kraftvask och mögledesinfektion** diluted 1:15 when necessary.

### Storage

In storage and in transport keep the container frost free and upright.

### Disposal of waste

Liquid paint and washing water with paint residues must not be emptied into drains or watercourses. It must be delivered to an approved local environmental protection station.



## Environmental labelling



The product is recognized by Miljømerking Norge, and conforms with the demands of the environmental label Svanen (the swan).

## Health and safety

Please observe the environmental and precautionary notices displayed on the container.

A Material Safety Data Sheet for the product has been issued.

Detailed information regarding health and safety risks and precautions for the use of this product is specified in the product's Safety Data Sheet.

**First-aid measures**, refer to section 4.

**Handling and storage**, refer to section 7.

**Transport information**, refer to section 14.

**Regulatory information**, refer to section 15.

## Indoor environment / Emission

The product is recommended for outdoor use only.

## Contact information

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### Disclaimer

The information in this document is given to the best of Jotun's knowledge, based on laboratory testing and practical experience. Jotun's products are considered as semi-finished goods and as such, products are often used under conditions beyond Jotun's control. Jotun cannot guarantee anything but the quality of the product itself. Minor product variations may be implemented in order to comply with local requirements. Jotun reserves the right to change the given data without further notice.

Users should always consult Jotun for specific guidance on the general suitability of this product for their needs and specific application practices.

If there is any inconsistency between different language issues of this document, the English (Eng) version will prevail.