

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.



Product data

Packaging size	0,75 L (filling level 0,68 L). 3 L (filling level 2.7 L) and 10 L (filling level 9 L)
Gloss level	Completely Matt 3
Generic type	Based on the AMA (Alkyd Modified Acrylics) technology.
Solids by volume	40 ± 2 volume% (A-base / C-base)
Specific gravity	1.28 - 1.15 (A-base / C-base)
pH value	8.2 to 8.8
VOC for Ready-for-Use Mixture	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

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

Cleaning of painting tools

Water and **JOTUN Penselrens** or water and a suitable cleaning agent.

Thinner

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

Spreading rate and film thickness

	Spreading rate per coat (m ² /liter)	Film thickness per coat (µm)	
		Wet (calculated)	Dry (calculated)
Recommended, sawn wood:	5 – 9	111 – 200	44 – 80
Recommended, planed wood:	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:

Relative Humidity (RH)	50 %	50 %	50 %
Air temperature	23 °C	15 °C	5 °C
Substrate temperature	23 °C	15 °C	5 °C

Dust dry	0.5 h	1 h	1.5 h
Recoatible, minimum	2 h	3 h	6 h

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

Hög luftfuktighet och låg temperatur förlänger torktiden/Høj luftugtighed 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:	Fresh wood left untreated for more than 4 weeks should be cleaned using JOTUN 3-i-1 Kraftvask og Træ- og Murrens and brushed with a wire brush. Bare, fresh wood to be primed with 1 coat VISIR Oljegrunding pigmentert . Use VISIR Oljegrunding klar 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. Topcoat: New, planed woodwork: 3 coats DEMIDEKK Ultimate helmatt . New, unplaned wood: 2 coats DEMIDEKK Ultimate helmatt .
Previously treated wood:	Previously treated wood should be cleaned using JOTUN 3-i-1 Kraftvask og Træ- og Murrens . Observe use instructions. Remove loose paint and wood fibers by wire brush or scraping. Sand glossy and hard surfaces. Bare spots (from drybrushing/scraping) to be primed with VISIR Oljegrunding . Use VISIR Oljegrunding klar 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. Topcoat: 2 coats DEMIDEKK Ultimate helmatt .
Factory-primed cladding:	Must be treated within 1 month. Apply VISIR Oljegrunding pigmentert to the end grains/cut surfaces. Saturate thoroughly, apply 3-4 coats wet-on-wet. Use VISIR Oljegrunding klar during the cold season when the air and surface temperature is below +5 °C. Topcoat: New, planed woodwork: 3 coats DEMIDEKK Ultimate helmatt . New, unplaned wood: 2 coats DEMIDEKK Ultimate helmatt . Remember to coat end grain.

Additional information

The product should be shaken before delivery from store.

Maintenance

Wash the woodwork with **JOTUN 3-i-1 Kraftvask og Træ- og Murrens** 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

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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.

Technical Data Sheet

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