

JOTUN Industri Optimal 2i1

Product description

Type

Based on acrylic/alkyd hybrid technology.

Features and benefits

Gives a very light-protective and water resistant surface with very good colour and gloss retention. **JOTUN Industri Optimal 2i1** has a high solids content, which leads to lower energy consumption and shorter drying time. **JOTUN Industri Optimal 2i1** may increase production efficiency. **JOTUN Industri Optimal 2i1** gives a very good surface for further treatment with **OPTIMAL**. Recommended system gives very long maintenance interval.

JOTUN Industri Optimal 2i1 used as a primer (one coat treatment) may stand up to 12 months before recoating.

JOTUN Industri Optimal 2i1 used as a primer and intermediate coat (two coats treatment) may stand up to 2 years before recoating.

Recommended use

Developed for industrial application on cladding. Acts as primer and intermediate coat. In a single coat system, **JOTUN Industri Optimal 2i1** can be used as primer.

Product data

Packaging size	20 liter container (filling level 18 liter) or precoloured in 1000 liter container.
Base availability	A, B and C.
Tinting	Bases must be tinted using Jotun Multicolor .
Gloss level	10 - 15
Generic type	Acrylic / alkyd hybrid technology
Solids by volume	46 ± 2 volume%
Specific gravity	1.15 - 1.3 Depending on base
pH value	8 to 9
VOC for Ready-for-Use Mixture	EU limit value for the product (cat. A/d): 130 g/l. The product contains max 1 g/l VOC.

Application data

Remarks

Substrate: The substrate should be unexposed cladding and must be clean, sound and dry.

Stirring: Stir/mix thoroughly with a power agitator before application.

Recommended equipment: For 1000 liter container: Agitator as pictured with diameter 160 mm and min 200 rpm for 120 minutes or other mixers that provide homogeneous paint.



Application equipment / methods

Industrial application using brush machine or spray application. Apply 1 or 2 coats. Second coat can be applied once the first coat is dry.

Contact your local Jotun representative for guidance and testing.

Cleaning of painting tools

Machinery and equipment must be cleaned with water.

	Spreading rate per coat (m ² /liter)	Film thickness per coat (µm)	
		Wet (calculated)	Dry (calculated)
Recommended:	7 - 11	91 - 143	42 - 66
Comments:	Dry film thickness of 1 coat applied in factory: minimum 50 µm. Dry film thickness of 2 coats applied in factory: 42+42 µm = 84 µm.		

Thinner

Water

Dilution

Can be diluted with water up to 20 %. The applied wet film thickness must be compensated for when diluting.

Conditions during application

Air and surface temperature must be above +10 °C during application. Moisture content of woodwork max 18%.

Drying times

When using drying zones and/or IR tubes: 4–10 min. Drying time depends on temperature, humidity and air speed in the drying zone. Adjust to the facility. Good air circulation enhances the drying ability. Tinted colours require longer drying time than White.

Avoid stacking packages of cladding at surface temperatures >30 °C. Cool weather and high humidity immediately after drying may cause increased risk of sticking before the paint is fully cured.

Treatment for cladding treaded with primer and 1 or 2 coats JOTUN Industri Optimal 2i1

The cladding is mounted in accordance with the current norms and standards for carpentry. The substrate must be clean, sound and dry before further treatment.

Treatment after mounting is determined by factory pre-treatment:

JOTUN Industri Optimal 2i1, 2 coats applied in factory:

When mounting:	Prime cut surface, end grains and other untreated wood with VISIR Oljegrunning 3-4 coats wet-on-wet. This is then applied 1 coat OPTIMAL .
Within 2 years after the cladding has been mounted:	Topcoat is recommended applied with 1 coat OPTIMAL within 2 years. Best results are achieved if the topcoat is applied immediately after the cladding is mounted.

JOTUN Industri Optimal 2i1, 1 coat applied in factory:

When mounting:	Prime cut surface, end grains and other untreated wood with VISIR Oljegrunning 3-4 coats wet-on-wet. This is then applied 1 coat OPTIMAL .
Within 1 year after the cladding has been mounted:	Topcoat is recommended applied with 2 coats OPTIMAL within 1 year. Best results are achieved if the topcoat is applied immediately after the cladding is mounted.

Maintenance

Maintenance must be performed using:	<p>Wash the house with JOTUN 2-i-1 Husvask og soppfjerner / JOTUN 2-i-1 Husvask och mögeldesinfektion / JOTUN 2-i-1 Husvask/Træ- og Murrens when necessary.</p> <p>Before further treatment (apply additional paint), the cladding should be washed with JOTUN 2-i-1 Kraftvask og Soppfjerner. This is to ensure good adhesion for the next coat and long maintenance intervals. Further maintenance is recommended with OPTIMAL, but other outdoor paints from Jotun can also be used. Follow the instruction manual of the product you choose.</p>
--------------------------------------	---

Comments

In case of poor adherence to knots: The nature of the substrate affects how well the treatment will adhere. Knots and hard glossy surfaces with higher content of resins, phenols and terpenes adversely affect the adhesion of paint. This may cause flaking. Flaking is treated by removing loose paint with steel brushing / scraping before re-painting the area.

Storage

Freight and storage >5 °C.

Disposal of waste

Liquid paint 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).

Green Building Standards

The declared product meets the following requirements:

- Swan (2097 0002)
- Property criteria in BETA (2018:A2)

BREEAM® NOR (2016)

Mat 01: Product-specific Type III EPD (ISO 14025;21930, EN 15804) for Scandinavia.

Mat 01: The product Safety Data Sheet confirms that the product does not contain any substances on the Norwegian A20 list.

BREEAM® NOR (2012)

Mat 1.3: Product specific type III EPD (ISO 14025, ISO 21930, EN 15804) for Scandinavia.

Mat 1.5: This product Safety Data Sheet confirms that the product does not contain any substances on the Norwegian A20 list.

Additional certificates and approvals may be available on request.

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.

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.