

# Technical Data

## JOTUN WOODSHIELD VARNISH



### Product description

Jotun WoodShield Varnish is based on a special alkyd oil suitable for interior and exterior wooden surfaces. It is hard wearing and protects against knocks and spills. Gives an exclusive durable finish.

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### Recommended use

For interior and exterior on all kinds of untreated hardwood, softwood, plywood, chip board, etc. or as a topcoat in system with Jotun Woodshield Preserver and Jotun Woodshield stain. Can also be used on wood previously treated with other wood protections. For exterior, Jotun Woodshield Varnish Clear must only be used in system with colored Jotun Woodshield Stain.

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### Film thickness and spreading rate

	Minimum	Maximum	Typical
Film thickness, dry ( $\mu\text{m}$ )	20	40	30
Film thickness, wet ( $\mu\text{m}$ )	53	105	79
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	19.0	9.5	12.66

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### Physical properties

Colour	10 Standard colours, also can be tinted in Jotun Multicolor Tinting system.
Solids (vol %)*	38 $\pm$ 2
Specific Gravety	0.87 – 0.91
Flash point	39°C $\pm$ 2 (Setaflash)
UV Resistance	Good

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### Surface preparation

The Surface must be clean, dry, knots must be degreased with Jotun Lacquer Thinner and exposed wood must be sanded to reach a sound surface.

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### Condition during application

The temperature of the substrate should be min. 10°C and min. 3°C above the dew point of the air, temperature and relative humidity measured in the vicinity of the substrate.

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### Application methods

Brush	Recommended.
Roller	Recommended.
Spray	Recommended.

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### Application data

Mixing ratio (volume)	Single pack.
Thinner/Cleaner	Jotun Thinner No. 2

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## Drying time

Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly. The figures given in the table are typical with:

- \* Good ventilation (Outdoor exposure or free circulation of air)
- \* Typical film thickness
- \* One coat on top of inert substrate

Substrate temperature	23°C	35°C
Surface dry	2 h	1 h
Through dry	20 h	16 h
Dry to recoat, minimum	6 h	4 h
Dry to recoat, maximum	48 h	36 h

1. Recommended data given for recoating with the same generic type of paint.
2. In case of multi-coat application, drying times will be influenced by the number and sequence and by the total thickness of previous coats applied – reference is made to the corresponding system data sheet.
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

The given data must be considered as guidelines only. The actual drying time/times before recoating may be shorter or longer, depending on film thickness, ventilation, humidity, underlying paint system, requirement for early handling and mechanical strength etc. A complete system can be described on a system sheet, where all parameters and special conditions could be included.

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## Typical paint system

### INTERIOR

#### System 1

Jotun Woodshield Stain*	2 coats
Jotun Woodshield Varnish Clear	1 coat

#### System 2

Jotun Woodshield Varnish (Clear or Tinted) \* 2 coats

\* if anti-termite protection is required, use Jotun Woodpreserver as the first coat

### EXTERIOR

#### System 1

Jotun Wood Preserver	1 coat
Jotun Woodshield Stain (tinted)	2 coats
Jotun Woodshield Varnish Clear	1 coat

#### System 2

Jotun Wood Preserver	1 coat
Jotun Woodshield Varnish in colour	2 coats

Other systems may be specified, depending on area of use

## Storage

The product must be stored in accordance with national regulations. The product must be kept in a cool and well-ventilated place, protected from heat and direct sunlight. Containers must be kept tightly closed.

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## Handling

Handle with care. Stir well before use.

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## Packing size

0.9 L and 3.9 L.

Packing may vary from country to country according to local requirements.

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## Health and safety

Please observe the precautionary notices displayed on the container. Use under well ventilated conditions. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

For detailed information on the health and safety hazards and precautions for use of this product, we refer to the Material Safety Data Sheet.

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## DISCLAIMER

*The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.*

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