

	Product Code:	12088
	Product Name:	GORI 88
	Recommended for:	WINDOWS & DOORS - EXTERIOR
	Available sizes:	0.75 L - 2.50 L - 5.00 L - 20.00 L



Extra UV Protection	Protection against fungi	Coverage: 10-12 m²/l	Clean tools with white spirit	Touch dry: 3-4 hours
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1. Product Description

1.1 Product Type:	Transparent high build stain. Satin wood protection. Thixotropic (minimizes tendency to drip). Product based on alkyd resins - solvent based. Contains fungicide, which protects against surface alteration agents such as surface fungi or blue stain.
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1.2 Manufacturer:	Dyrup A/S - Gladsaxevej 300 - 2860 - Søborg - Denmark Phone: +45 39 57 93 00 - www.dyrup.com
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1.3 Where to use:	All types of exterior wood and materials derived from wood - in particular recommended for windows and doors.
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1.4 Special Qualities:	Water and moisture resistant. Contains UV-blocker. Prevents attacks from blue stain and mould. Non-dripping. Embellishes the texture and grain of the wood.
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1.5 Colour Range:	<ul style="list-style-type: none"> • 7801 Brazil Pine • 7802 Pine • 7803 Oregon Pine • 7804 Teak • 7805 Oak • 7806 Chestnut • 7807 Dark Oak • 7808 Walnut • 7809 Redwood • 7810 Palisander • 7811 Ebony • 7812 Mahogany • 7813 Iroko • 7814 Antique Oak • 7815 Light Oak • 7816 Natural Oak • 7817 Golden Pine • 8101 White • 8504 Swedish Red • 8709 Royal Red • 8715 Light Blue • 8720 Spruce Green • 8805 Cyclades Blue • 0100 Base 30
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1.6 Form Supplied:	Ready to use.
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1.7 Test Reports / Certificates:	Not available at present.
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1.8 Classification:	XI
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1.9 Elasticity:	Alkyd resins.
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2. Composition

2.1 **Binder:** Thixotropic alkyd resin.

2.2 **Solvents:** Alyphatic hydrocarbons.

2.3 **VOC-content:** EU limit value for this product (Cat. A/e): 500 g/l. (2007) / 400 g/l (2010). This product contains max. 399 g/l VOC.

2.4 **Pigments:** Organic and inorganic pigments. Transparent iron oxide.

2.5 **Active Ingredients:** Approx. 0.6% tolylfluamid.

2.6 **Fungicide Agent:** Diclofluanide.

3. Technical Data

3.1 **Specific Gravity:** Approx. 0.9 kg/l.

3.2 **Viscosity:** Thixotropic system (cannot be measured).

3.3 **Flash Point:** Approx. 40°C, Pensky Martens.

3.4 **Gloss:** Silky Gloss

3.5 **Solid Content:** Approx.. 38-42 W / W%.

3.6 **Solid Residue:** 33-48% in weight \pm 2.

3.6 **Odour:** Strong.

3.7 **Density:** 0,90 \pm 0,03 g/cm³ at 20°C.

3.8 **pH:** Neutral.

3.9 **Coverage:** 1 litre = Approx 10-12 m² per coat. Coverage varies according to wood porosity, condition of surface, wood species, and cut structure and direction.

3.10	Drying Time:	Drying time varies according to the following: • Temperature (>5°C) and hygrometric (relative humidity >50%) conditions • Wood species • Amount of product applied • Measurements taken at 20°C and relative humidity below 50%: <i>Touch dry</i> : Approx. 4 hours. <i>Recoatable</i> : Approx. 12 hours. Wait 48 hours before closing coated window frames.
3.11	Weather Resistance:	<i>Water repellent</i> : Provides weatherproof protection. <i>Micro porous</i> : Product offsets changes in humidity between wood and environment.
3.12	UV Resistance:	Contains UV-blocker.
3.13	Thinning:	Do not thin.
3.14	Storage:	Store frost-free.
3.15	Shelf Life:	1 year in unopened containers.

4. Surface & Preparation

4.1	In General:	<i>Do not stir before use</i> . Keep container firmly closed after use.
4.2	Substrate Conditions:	The surface must be free from grease, dirt and dust. Worn down surfaces must be planed to sound wood. Intact, previously coated surfaces must be slightly sanded.
4.4	Pre-treatment:	Untreated and worn down softwood outdoors: 1 coat of GORI 11 or GORI 22. Hardwood should not be primed.
4.5	Humidity:	Do not use at temperatures below 5°C or above 80% relative humidity.

5. Treatment

5.1	Application Method:	Apply GORI 88 with a brush or roller. <i>Immersion</i> : Contact our Technical Service.
5.2	Treatment:	Apply on dry, non frozen, frost free wood. Wood moisture should be below 18%. Wood must be clean and prepared according to effective standards and DTU requirements. For optimal drying, temperatures above 5°C and relative humidity below 50% are needed. Apply carefully with brush or roller along wood grain. Apply 3 coats. To ensure improved penetration and finish, sanding with a 220-240 grain is recommended.

5.3	New Wood	<ul style="list-style-type: none">• Prepare substrate according to effective standards and DTU requirements (DTU 59-1)• Apply 1-2 coats of GORI 22 (200 g/m²) on all sides and joints of wood• Apply 1 coat of pigmented GORI 44 (avoid colourless or light oak)• Apply 2 coats of pigmented GORI 88 (avoid colourless or light oak - 120 g/m² per coat).
5.4	Wood Attacked by Fungi / Mould:	<ul style="list-style-type: none">• Prepare substrate according to effective standards and DTU requirements (DTU 59-1)• Sand, rough-grind, brush and dust substrate until timber has "open pores" (remove all non-adhesive particles)• Apply 2-3 coats of GORI 22 (200 g/m²) on all sides and joints of wood• Apply 1 coat of pigmented GORI 44 (avoid colourless or light oak)• Apply 2 coats of pigmented GORI 88 (avoid colourless or light oak)• 120 g/m² for each of the 3 coats
5.5	Varnished & Painted Wood or Wood with Decayed Stain Coating:	<ul style="list-style-type: none">• Prepare substrate according to effective standards and DTU requirements (DTU 59-1)• Sand, rough-grind, brush and dust substrate until timber has "open pores" (remove all non-adhesive particles)• Apply 2-3 coats of GORI 22 (200 g/m²) on all sides and joints of wood• Apply 1 coat of pigmented GORI 44 (avoid colourless or light oak)• Apply 2 coats of pigmented GORI 88 (avoid colourless or light oak)• 120 g/m² per coat
5.6	Renovation of Previously treated Wood:	<ul style="list-style-type: none">• Normally maintenance is required every 2-3 years depending on substrate condition• Prepare substrate according to effective standards and Dtu requirements (DTU 59-1)• Sand, clean and dust substrate as required depending on substrate condition• Apply 1 coat of pigmented GORI 88 (avoid colourless or light oak)• 40 g/m²
5.7	Oily Wood:	Oily Wood = Exotic Wood: Use acetone or trichloroethylene to degrease substrate. Apply first coat of GORI 44 without diluting or, in some cases, one first coat of GORI 88 diluted with white spirit (30%).
5.8	Hard Acidic Wood:	(= <i>Exotic, non-coniferous, resinous</i>): Clean using a solvent, or scrape off exudates or resin excess. <u>Resinous woods</u> : Apply fungicide treatment (anti-blueing) before applying finish. The acidic level of certain woods may alter finish durability (Western Red Cedar). The surface should be prepared according to "all rules of the art" applicable to such wood species, using "against the fibre or coarse grain" treatments (smoothing, sanding). <u>Iroko and Western Red Cedar</u> : Please contact us.
5.9	Cleaning of Tools:	White spirit.
5.10	Tips by Dyrup:	System durability is conditioned to adequate previous treatment.

6. Safety Precautions

6.1 In General Common safety rules for work with paints must be observed. Further information is available from our Material Safety Data Sheet.

6.2 Safety Instructions:

- Contains 2-Butanonoxime, Bis (1,2,2,6,6-Pentamethyl-4-Piperidyl) Sebacate, Methyl-(1,2,2,6,6-Pentamethyl-4-Piperidyl) Sebacate, cobalt carboxylate and tolylfluamide
- May cause an allergic reaction
- Harmful to aquatic organisms
- May cause long-term adverse effects in the aquatic environment
- Repeated exposure may cause skin dryness or cracking
- Do not breathe vapour/spray
- Avoid contact with skin
- Use only in well-ventilated areas
- Avoid release to the environment
- Refer to special instructions / safety data sheet
- If swallowed, do not induce vomiting - seek medical advice immediately and show the can or this data sheet
- Rags soaked with the product may cause spontaneous combustion

6.3 Safety Precautions:

- Flammable product
- Ventilate rooms thoroughly during and after application
- Wear adequate protection gloves
- Protect your skin, face and eyes
- Once the container is open, the product should be quickly used up
- Do not reuse container after using up product
- Keep away from children
- Keep away from food during and animal feed
- Do not pour product into drains or water streams
- Do not treat beehives

7. Disposal

7.1 Disposal: Do not empty into drains or into the environment. Product waste must not be poured into the sewers, water reserves or soil. Empty can may be recycled (check with you local refuse plant).

8. General Information

8.1 General Information:

Common safety rules for work with paints must be observed. Further information is available from our Material Safety Data Sheet.

According to DTU 59-1: "Wood contains colouring extracts that may exude and produce stains, particularly in facades highly exposed to rain, degrading the finish product".

According to DTU 41-2 (NFP 65-210-1): In the case of outdoor wood finishing products, it is necessary to ensure treatments applied previously are compatible with such finishing products.

Standard FTP 74-201-1 and 2 (DTU 59-1): Sets forth that the selection of an adequate finishing system depends on the substrate, and on the defects and characteristics of certain wood species.

In case of application on wood glued through alkaline joints (phenolic adhesive etc.) and exposed to humidity, there is a risk of soda migrating to the surface, which may cause a Whitish efflorescence, when in contact with the GORI product. This risk applies, above all, to certain types of plywood used outdoor. In this case, wash surfaces using a sponge as soon as efflorescence appears.

The purpose of this Technical Safety Datasheet is to inform our clients about the product's properties and characteristics. This information is based on tests made under conditions of use complying with effective standards. Our recommendations are given merely as an indication and do not replace specific recommendations related to the type and status of the work and timber to be treated. Before applying the product, clients should check for any updates of this Technical Data Sheet, and should bear in mind the new information provided, if any. This Technical Datasheet replaces all previous versions.