



Product Code	120044
Product Name	GORI 44
Recommended for	All exterior wood
Available sizes	0.75 L - 2.50 L - 5.00 L - 20.00 L



1 Product Description

1.1	Product Type:	GORI 44 is a solvent based, weather and water resistant, low-build wood protection for outdoor use. GORI 44 is resistant to fungal growth and enhances the natural structure of wood with a matt, translucent finish.
1.2	Manufacturer:	Dyrup A/S - Gladsaxevej 300 - 2860 Søborg - Denmark Phone: +45 39 57 93 00 - www.gori.com
1.3	Where to use:	All types of exterior wood and materials derived from wood.
1.4	Special Qualities:	Protects the surface film against mould and fungi.
1.5	Form supplied:	Ready to use.
1.6	Classification:	Xn

2 Composition

2.1	Solvents:	Alyphatic hydrocarbons.
2.2	VOC-content:	This product contains a maximum of 399 g VOC/L. The limit value is 400 g VOC/L (cat. A/e)
2.3	Pigments:	Transparent iron oxide.
2.4	Active ingredients:	Diclofluanide.

3 Technical Data

3.1	Density:	0,85 ± 0,02 g/cm ³ at 20°C
3.2	Viscosity:	13 sec. At 20°C in Ford cup No. 4.

3 Technical Data

3.3	Flash point:	>55°C (Class III).
3.4	Gloss:	Matt.
3.5	Solid content:	25-35 in weight ± 1.
3.6	Binder:	Alkyd resin.
3.7	Odour:	Strong.
3.8	Coverage	Raw wood: 5-7 m ² /l. Planed wood: 10-12 m ² /l, depending on the substrate. Coverage varies according to wood porosity, condition of surface, wood species and cut structure and direction.
3.9	Drying time:	<u>Touch dry</u> : 3-5 hours. <u>Recoatable</u> : App. 12-24 hours. Measured at 23°C and normal humidity (60%). Deviations may occur by changes in temperature, humidity and thickness of coats.
3.10	Weather resistance:	<u>Water repellent</u> : Provides weather proof protection. <u>Microporous</u> : Product offsets changes in humidity between wood and environment.
3.11	Fungicide:	Yes.
3.12	Insecticide:	No.
3.13	Thinning:	White spirit.
3.14	Storage:	Store and transport frost free in tightly closed containers away from direct sunl
3.15	Shelf life:	5 years in unopened container. Limited shelf life after opening.

4 Surface and preparation

4.1	In general:	Stir well before use. Keep container firmly closed after use.
4.2	Substrate:	The surface must be free from grease, dirt and dust.
4.3	Humidity / Moisture content:	At the time of treatment, the wood moisture content should not be above 18%. Do not use at temperatures below 5°C or above 80% relative humidity, based on a daily average.

5 Treatment

5.1	Application method:	Apply with brush or roller. <u>Immersion</u> : contact our technical department.
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- 5.2 Pre-treatment:
- New wood: 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. Apply 2 coats of pigmented GORI 88 - 120 g/m² per coat.
- Wood attacked by fungi/mould: 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. Apply 2 coats of pigmented GORI 88 - 120 g/m² for each of the 3 coats.
- Varnished & Painted Wood or Wood with Decayed Stain Coating: 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. Apply 2 coats of pigmented GORI 88. 120 g/m² per coat.
- Renovation of previously treated wood: 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 44 - 40 g/m².
- 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%).
- Hard acidic wood: (= Exotic, non-coniferous, resinous): Clean using a solvent, or scrape off exudates or resin excess. Resinous woods: 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). Iroko and Western Red Cedar: Please contact us.
- 5.3 Treatment: Stir container thoroughly before application and stir again during application. Apply on dry, non frozen, frost free wood. Wood moisture should not exceed 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 abrasive product between coats is recommended.
- 5.4 Cleaning of tools Clean tools immediately in white spirit.

6 Safety precautions

- 6.1 In general System durability is conditioned to adequate previous treatment. Common safety rules for work with paints and varnishes must be observed. Further information is available from our Material Safety Data Sheet.

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. Left over product should be handed in at your local waste disposal. Empty can may be recycled (check with your local waste disposal site or your local authorities).

8 General Information:

- 8.1 General Information: The surface must be inspected regularly and repaired with GORI 44 as required. Colourless must never be used as topcoat alone. When carrying out maintenance of translucent colours, colourless can be mixed with toned colours in scale 1:1 to avoid a darker shade of the wood, than the one originally applied.
- 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

The purpose of this Technical Data Sheet is to provide our clients with information about the properties and characteristics of the product. The information provided is based on tests conducted by us under usage conditions that comply with the prevailing standards. Our recommendations for use are for information only, and in no event shall they take precedence over any specific recommendation taking into account the nature and conditions of a particular site, nor shall they engage PPG's liability. Before all applications of the product, clients should check that this document has not been amended by a more recent version, which takes into account new technical data. This version annuls and replaces all previous versions of Technical Data Sheets relating to this product.
