


GORI
88

Product Code 10130DSC12X88
Product Name GORI 88
Recommended for Exterior windows & doors



1 Product Description

- 1.1 **Product Type:** Translucent high build stain. Thixotropic (minimizes the tendency to drip). Satin finish. Product based on alkyd resins. Solvent based. Contains fungicide, which protects against surface alteration agents such as surface fungi or blue stain.
- 1.2 **Manufacturer:** PPG Coatings Danmark 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 - in particular recommended for windows and doors.
- 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.
- 1.5 **Form supplied:** Ready to use.

2 Composition

- 2.1 **Solvents:** Aliphatic hydrocarbons.
- 2.2 **Binder:** Thixotropic alkyd resin.
- 2.3 **Pigments:** Organic and inorganic pigments. Transparent iron oxide.
- 2.4 **VOC-content:** EU limit value for this product (Cat. A/e): 400 g/l (2010). This product contains max. 399 g/l VOC:

3 Technical Data

- 3.1 **Specific gravity:** App. 1.0 kg/l.
- 3.2 **Flash point:** App. 40°C Pensky-Martens.
- 3.3 **Solid content:** App. 38-42 W/W%
- 3.5 **Odour:** Strong.



- 3.5 Odour: Strong.
- 3.6 Viscosity: Thixotropic system (cannot be measured).
- 3.7 Gloss: Silky gloss.
- 3.8 pH: Neutral.
- 3.9 Density: $0.90 \pm 0.03 \text{ g/cm}^3$ at 20°C.
- 3.10 Coverage: 1 litre = app. 10-12 m² per coat. Coverage varies according to wood porosity, condition of surface, wood species, and cut structure and direction.
- 3.11 Drying time: *Drying time varies according to the following: Temperature (>5°C) and hygrometric (relative humidity >50%) conditions, wood species ventilation and amount of product applied. Measurements taken at 20°C and relative humidity below 50%. Touch dry: app. 3-4 hours. Recoatable: app. 12 hours. Wait 48 hours before closing coated window frames.*
- 3.12 Weather resistance: Water repellent. Weatherproof protection. Microporous: Product offsets changes in humidity between wood and environment - lets wood breathe.
- 3.13 Thinning: Do not thin.
- 3.14 Storage: Store and transport frost free in tightly closed containers.
- 3.15 Shelf life: 5 years in unopened container.

4 Surface and preparation

- 4.1 In general: *Do not stir before use*. Keep container firmly closed after use.
- 4.2 Substrate: Surface must be free from grease, dirt and dust. Plane worn down surfaces to sound wood. Sand slightly on intact, previously coated surfaces.
- 4.3 Pre-treatment: Untreated and/or worn down softwood outdoors: 1 coat of GORI 11 or GORI 22. It is not necessary to prime hardwood.
- 4.4 Humidity: Do not use at temperature below 5°C and/or above 80% relative humidity.

5 Treatment

- 5.1 Application method: Apply GORI 88 by brush or roller. Immersion: contact our Technical Service.

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| 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 mould/fungi: | <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 • 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: | (= 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. |
| 5.9 | Cleaning of tools | White spirit. |

6 Safety precautions

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| 6.1 | In general | Common safety rules for work with paints and varnishes must be observed. Further information is available from our Material Safety Data Sheet. |
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7 Disposal

- 7.1 Disposal: Do not empty into drains, 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: 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.
- 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.
- 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.
- 8.2 Wood Species: Western Red Cedar, Alaska Yellow Cedar, Larch and similar types of wood contain tannin, which may repel coating and/or staining. Please make a test on a small area before treating, and check the final result.
- Please also note that all softwood may retract or swell up till 12 %. No film can adapt to this kind of movement and therefore a maximum of 18 % humidity is the limit for applying treatment.
- Iroko, Teak, Rubberwood and some other wood species contain "oil", which may delay drying and thereby give an uneven surface after application. You can try cleaning the surface with cellulose thinner and then sand with grit 220. Test a small area afterwards with application. However, we stress that there is no guarantee for a satisfactory result. Ipe turns grey after coating with decking oils, but by power washing after coating is worn out you may return to original colour.

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.