

TECHNICAL DATA SHEET

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GORI 59

PRODUCT DESCRIPTION

Product type GORI 59 is a water soluble, acrylic primer for preparation of indoor wooden surfaces.

Special qualities GORI 59 is an excellent base coat for GORI 53 2S Floor Finish. It minimises the chance for the tiles sticking together and reduces the consumption of the surface varnish. Is also suitable for exotic wood species.

- Very good penetration into wood, increasing the adhesion of varnishes
- Minimises the effect of corners sticking together laterally
- Preserves the natural colour of the wood
- Very good sanding properties
- Fast drying
- Reducing the consumption of the surface varnish

Where to use Wooden floors, parquets, mosaics, industrial floors and planks.

Form supplied Ready to use

Test reports/certificates The product has been approved by the National Institute of Hygiene (Panstwowy Zaklad Higieny - PZH).

Substrate Surface should be clean, dry, without any remains of wax pastes and glazing agents. Old paint coatings must be removed. Scratches and cracks must be removed. Before applying varnish the floor must be sanded and thoroughly cleaned of dust. Apply the GORI 59 PRIMER on the prepared surface.

The humidity of the surface should range from 7% to 11%. The relative air humidity should range from 40% to 65%. Low temperature and high air humidity extend the coating drying time. It is advised to avoid drafts and local heating of the surface (by sunlight or heaters) during the application process.

Recommendation of a primer for the particular type of wood in the standard application system with the GORI 53 2S Floor Finish topcoat in semi-gloss or gloss:

Type of wood	GORI 59 Professional Primer
Merbau	*
Ipe/Lapacho	#
Jatoba	*
Teak	#
Rosewood	#
Beech	*
Ash	**
Oak	***
Pine	**
Spruce	**
Larch	*
Recommendation	
*	acceptable
**	good
***	very good
#	perform a test before application

Pre-treatment

Perform a test before application

Treatment

Read label and instruction before using the product. Before using the primer mix it thoroughly by vigorously shaking the closed container. Apply the primer once using a brush, roller for water soluble varnishes or twice with a spreading spatula. Drying time is 2-3 hours. Apply the chosen GORI topcoat on the prepared surface. Close can firmly after use.

Maintenance

When renewing old layers of varnish, it is best to make an adhesion test. Sand a small section located in a less visible area, using 120-150 grit sand paper. Varnish and leave for a few days to harden. Check the adhesion of varnish using a coin (rub the side of the coin against the varnish). If the adhesion is strong (= the varnish layer does not come off and does not flake), sand the entire surface using 100-120 grit mesh (for semi-gloss), 150-180 grit (for high gloss) and apply 2 coats of varnish.

Application method

Apply with brush, spatula or paint roller.. Avoid application in direct sunlight. During application and drying, the temperature must be above 5°C and relative humidity below 80%.

Before using the primer, mix it thoroughly by vigorously shaking the closed container.

Technical Parameters	Standard/Guidelines	Value
Number of layers		1-2
Application of the overcoat after [hours]		2-3
Surface drying time [hours] up to	PN-EN ISO 1517	1.5
Thickness at 20+0,5°C, [g/cm ³]	ZN-PPGDP-194	1.025-1.050
Paint fluidity, rate, at least	ZN-PPGDP-194	8
Hardness, Persoz pendulum damping time [s]	ZN-PPGDP-194	min. 170

TECHNIQUES

For every system, if needed:

- Fill the scratches and cracks in the surface.
- Sanding between layers: 120-150 grit sanding mesh for semi-gloss and 180-220 grit for gloss finish. Clean the dust after sanding.

Standard System – 300 ml/m²

1. GORI 59 PRIMER, 1 layer using a paint roller or 2 layers using a spreading spatula.
2. GORI 53 2S Floor Finish or GORI 51 High Traffic Floor Finish, 3 layers using a paint roller, material consumption of 100-120 ml/m², after the 2nd layer sand the surface.

Professional System – medium traffic floors requiring highly aesthetic finish - 250 ml/m²

1. GORI 59 PRIMER, 1 layer using a paint roller or 2 layers using a spreading spatula.
2. GORI 53 2S Floor Finish and GORI 51 High Traffic Floor Finish, 1 layer using a paint roller, material consumption of 100-120 ml/m².
3. Sanding between the layers.
4. Water soluble gel filler between the layers, 1 layer using a spreading spatula.
5. GORI 53 2S Floor Finish, 1 layer using a paint roller, material consumption of 150-180 ml/m².

Professional System – „quick varnishing” – medium traffic floors. – 250 ml/m²

1. GORI 53 Floor Finish, 1 layer using a paint roller, material consumption of 100-120 ml/m².
2. Sanding between the layers.
3. GORI 53 2S Floor Finish, 1 layer using a paint roller, material consumption of 150-180 ml/m².

Professional System – heavy traffic floors – 350 ml/m²

1. GORI 59 PRIMER, 1 layer using a paint roller or 2 layers using a spreading spatula.
2. GORI 53 2S Floor Finish, 2 layer using a paint roller, material consumption of 100-120 ml/m².
3. Sanding between the layers.

4. GORI 53 2S Floor Finish, 1 layer using a paint roller, material consumption of 150-180 ml/m².

Professional System – lines – heavy traffic floors – 330 ml/m²

1. GORI 59 PRIMER, 1 layer using a paint roller or 2 layers using a spreading spatula.

2. Acrylic Enamel from the GORI range (GORI 91).

Before applying another layer of varnish, the enamel must be thoroughly dried – at least 24 hours are required. Check the dryness by lightly sanding a small section of the surface using 180-220 grit sandpaper. The coating should not stick or roll off.

3. GORI 53 2S FLOOR FINISH, 2 layers using a paint roller, material consumption of 100-120 ml/m².

4. Sanding between layers: 120-150 grit sanding mesh for semi-gloss, 180-220 grit for gloss finish.

5. GORI 53 2S FLOOR FINISH, 1 layer using a paint roller, material consumption of 100-120 ml/m².

When renewing old layers of varnish it is best to make an adhesion test. Sand a small section, located in a less visible area using 120-150 grit sand paper. Varnish and leave for a few days to harden. Check the adhesion of varnish using a coin (rub the side of the coin against the varnish). If the adhesion is strong (e.g. the varnish layer does not come off and does not flake) sand the entire surface using 100-120 grit mesh (for semi-gloss), 150-180 grit (for gloss) and apply two layers of varnish.

The selection of a varnishing technique should take into account the experience and the equipment resources the painter has and the required finish standard.

Thinning Water.

Cleaning of tools Soap and water.

TECHNICAL PRODUCT DESCRIPTION

Odour Weak.

Coverage App. 10-20 m²/l – depending on the state of the substrate and application method.

Drying time App. 1-2 hours. Drying time varies depending on amount of product absorbed and ventilation conditions. Measured at 23°C and normal humidity (60%). Deviations may occur depending on temperature, humidity and layer thickness.

Shelf life 1 year in unopened container. Limited shelf life after opening.

Storage Store and transport frost free in tightly closed container. Store in a dry and cool area at temperatures from 5-25°C and away from direct sunlight.

TECHNICAL DATA

Flash point -

COMPOSITION

Solvent Water.

SAFETY AND ENVIRONMENT

General Common safety rules for work with paints and varnishes must be observed. Further information is available from our safety data sheet on www.gori.com.

Disposal Do not empty into drains or into the environment. Product waste must not be poured into sewers, water reserves or soil. Left over product should be handed in at your local waste disposal. Empty can be recycled (check with your local waste disposal site or your local authorities).

ADDITIONAL INFORMATION

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 to 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.

GORI

- THE SCANDINAVIAN WOODCARE EXPERTS

As wood is an organic material, there is no guarantee that the same wood species will react the same way in different areas, when treated/coated/stained. For more information and safety data sheets: www.gori.com.

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. Technical Data Sheets can be downloaded from www.gori.com.

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