O1020
PROFI OIL GLAZE
Single-coat oil glaze for wood

Colour shades: Basic colour shade range – 13 natural colour shades and colourless.

Use: OIL GLAZE O1020 is designed for priming single-coat glazing of wood, fibre-boards, and similar porous materials based on wood, for exterior and interior use. The high wax content ensures a hydrophobic surface (water repellency) and therefore high protection of the coating and its durability, especially against water and weather. Thanks to its unique composition and high oil content, OIL GLAZE provides high protection against weathering and UV radiation for up to 10 years. O1020 is especially intended for the outdoor protection of wooden surfaces and structural elements of wooden structures, such as houses, chalets, log huts, fences, and pergolas, directly exposed to weather effects and with a moisture content in wood up to 20%. O1020 provides wood with high and deep protection against weather effects and especially UV radiation in just one coat. OIL GLAZE is suitable for the surface treatment of children's furniture and toys – it meets the requirements of ČSN EN 71-3. In the case of very porous or dried wood, an additional coat can be applied in 24 hours, but it is necessary to make sure that this coat penetrates the wood structure thoroughly within 60 minutes. Any glossy residual glaze on the surface of the wood should be brush or wiped off using a dry brush or cloth. Biocide protection under O1020 is provided by the LIGNOSTOP range of impregnation agents. Surfaces coated with O1020 must not come into contact with food, feed and drinking water. The colourless shade T0000 – despite the enhanced UV protection component – provides less protection against UV radiation (greying of wood) and is therefore not intended for surfaces exposed to the sun. The use of oak and acacia woods is problematic or unsuitable due to its high hardness and very limited water absorption. Oak's only partial soaking and sticking of O1020 and slow drying is further compromised by leaching of tannins.

Advantages:
O1020 provides a number of advantages:

- Application of just one layer *(high dry matter composition makes up for 2 to 3 layers of traditional glazes)*,
- It contains natural oil *(deep penetration into wood resulting in high protection)*,
- Suitable for toys and children's furniture *(meets the requirements of EN 71-3)*,
- High spreading rate *(approximately 15 m^2/l; up to 25 m^2/l for smooth surfaces or less absorbent woods)*,
- Preservation of the natural structure and grain of the wood *(the glaze does not create any varnish-like layer on the wood)*,
- Excellent weather and UV protection *(high content of high-quality transparent pigments)*,
- Fast drying process due to the special composition *(ordinary oils take several times longer to dry)*,
- Vapour permeability of the coating *(the wood "breathes" without limitations – any residual moisture evaporates)*,
- Environmentally friendly *(low VOC emissions, 2/3 of the glaze is from natural renewable sources)*,
- Simple repair and renewal of an old or deteriorated coating.

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Application: With a brush or paint roller, by spraying or dipping. We recommend to apply O1020 mainly by brush. Before its application, it is not necessary to thin the oil glaze, but it should be stirred up thoroughly. Apply the glaze at a temperature of 15–25 °C and a relative air humidity of up to 75%. The wood surface should be clean, mature, and not wet. In case of very porous or dried wood, it is possible to apply another coat in 24 hours; however, it is necessary to make sure that this coat will penetrate into the wood structure within 60 minutes. Any glossy residual glaze on the surface of the wood (not soaked in) should be wiped off using a dry brush or cloth. The recommended total consumption for the outdoor environment is approximately 70 ml of the glaze per 1 m^2. This consumption varies according to the type of tree species and the quality of surface – sanding. Soaking of wood in OIL GLAZE is limited by the size and shape of the object to be treated. Taking into account the size, shape and also the type of wood of which the element is dipped, it is advisable to adjust the application consistency of the glaze by dilution. The addition of thinner (we recommend S6006) should always be adapted to the specific conditions (it may be several tens of percent). CAUTION: When using the same production batch, the same colour shade is guaranteed. We recommend mixing the colour shades of different batches in a larger container before application. The type, surface and previous coating of the wood, as well as the method of application of the glaze, affect the final shade, so we recommend a test application before final coating. Colour shade complaints will only be accepted if a test coat has been carried out prior to completion and this has been complained about.

Due to the presence of organic solvents and driers in the O1020 formulation, the contents of the packaging may turn slightly purple over time. This discolouration is not detrimental and does not affect the final shade of the coat. To remove this discolouration, stir the glaze inside the packaging.

Thinner: O1020 is supplied in an application consistency – not for dilution. Otherwise use S6006 for cleaning tools.

An example of the coating process:

**** Outdoor wood coating***

1 1x LIGNOSTOP (PROFI or HOBBY) or FUNGISTOP S1031, drying time 24 hours
2 1x PROFI OIL GLAZE O1020

**** Interior wood finish***

1 1x PROFI OIL GLAZE O1020

Properties of the paint:

Outflow time (∅ 4 mm nozzles)		colour shades	14–40 s
		colourless T0000	25–60 s
Non-volatile compound content (dry matter wt.)			77%
Density			0.92–1.00 g/cm^3
Drying	Against dust		24 hours maximum
	For common handling		36 hours maximum

Dried paint properties:

Gloss, gloss units [GU] (geometry 60°), after 2 days	45 maximum (semi-matt)

Theoretical spreading rate: 15–25 m^2/l in one – overall coat and depends on the absorbing capacity and preparation of the wood surface. While 15–20 m^2/l is the spreading rate for common domestic woods, for smooth surfaces and less absorbent woods the spreading rate is higher – up to 25 m^2/l.

Packaging: According to the current offer

Manufacturer's recommendation: Absorbent materials of organic origin (cotton, textiles, paper, wood shavings, etc.) contaminated with O1020 should be disposed of safely – risk of spontaneous combustion.

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Shelf life: at temperatures of 5–25 °C for the duration of the warranty period stated on the package of the coating material.

Disposal: Containers/unused product should be handed over to a person authorised for disposal of wastes or to a hazardous waste collection point established by the local authorities.

Product classification:
Signal word: Danger

Hazard statements:

H304	May be fatal if swallowed and enters airways.
H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

For details, see the Safety Data Sheet of this product.

"The user is responsible for correct use of paints or for the composition and correct application of a paint system, i.e., the user must always consider all circumstances – conditions of application and processing that could affect the final quality of surface treatment.
A complaint relating to a colour shade can be acknowledged only under the condition of a previously prepared test coating on a small area, in accordance with the mandatory technological process, which accompanies the complaint. No claims filed after using up the product will be taken into consideration. COLORLAK, a.s. reserves the right to change data in technical and advertising materials without any prior notice."

"The technical recommendations contained in this Catalogue Sheet are given based on our experience and best knowledge of the state of the art in science and practice; they are not binding and they do not constitute any obligations unless expressly defined in the purchase contract."

Marketing, 8/2026

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