

Technical Qualities

NOVALIS WOOD PROTECTION by OIKOS is an acrylic varnish for wood, available in a wide range of colours in either gloss or matt finish. The product forms a protective film that prevents the penetration of water and the attack of mites, bacteria and mould whilst at the same time bringing out the natural beauty of the wood. The acrylic resins in its composition give to the product high elasticity, thus allowing it to follow the distortions in the wood caused by changes in temperature. NOVALIS WOOD PROTECTION is non-yellowing, scratch resistant, and resistant to exterior conditions and UV rays. It is completely free of unpleasant smells and harmful emissions. NOVALIS WOOD PROTECTION can be applied in closed environments as it has a low odour level, is non-inflammable and friendly to both humans and the environment.

Ideal Use

Protection and decoration of wood surfaces in interior and exterior.

Surface Preparation

Clean the surface to be treated, removing any dust and dirt. Resinous wood must be cleaned with appropriate products. On already treated wood: sand with fine sand paper.

On new wood or on wood brought back to a paint-free surface: apply one coat of NOVALIS PORE FILLER or NOVALIS WOODSTAIN by OIKOS.

On very absorbent wood: apply one or two coats of NOVALIS WOODSTAIN by OIKOS.

Application Method

After having prepared the surface, apply by brush, roller or spray gun (0.8 ÷ 1.3mm nozzle), two coats of NOVALIS WOOD PROTECTION leaving 6 hours between coats. Apply on wood with a humidity level of less than 15%.

The product

Composition	Acrylic resins in water dispersion, special transparent pigments, preservatives and additives to aid application and the formation of the surface film
Specific weight	1.02 kg/l. ±3%
Gloss	Gloss: 88, matt: 22+/-5, (applied on gloss panel at 120 µm wet, reflectometer 60°C)
pH	8÷9
Viscosity	Gloss: 800 ÷ 1400; matt: 2000 ÷ 4000 CPS +/-5% Brookfield (RVT 20 revs/min at 25°C)
Storage temperature	+2°C ÷ +36°C. Keep from freezing
Fire reaction	negative when the product is applied onto a non inflammable surface: water based material with dry thickness of less than 0.600mm
Emission limits of Volatile Organic Compounds (VOC) according to directive 2004/42/CE	<ul style="list-style-type: none"> • Classification: A/e • VOC: 80g/l (max) • Limit Phase I (from 01/01/2007): 150g/lt • Limit Phase II (from 01/01/ 2010): 130g/lt
Colours	Transparent uncoloured + Shades of colour chart
Packaging	0,75 – 2,25 l

The application

Dilution	<ul style="list-style-type: none"> • by brush or roller: ready to use • by spray gun: 5-10% drinkable water
Yield	10 ÷ 12mq/l per coat depending on the surface
Application tools	Brush, roller, spray gun (0.8 - 1.3mm nozzle)
Base coat	NOVALIS PORE FILLING, NOVALIS WOODSTAIN by OIKOS
Application temperature	+5°C ÷ +36°C (relative humidity not higher than 80%)
Drying time tack free	1 h (temperature = 20°C with relative humidity at 75%)
Drying time washing	7 days (temperature= 20°C humidity not higher than 50%)
Drying time fully cured	24 h (temperature= 20°C humidity not higher than 75%)
Tools cleaning	Water

Safety information

The product is free of heavy metals such as lead or chrome. It does not contain toxic solvents, aromatics or chlorides. There is no risk of any dangerous polymerisation. The product is considered to be a non-dangerous substance if used in the technically correct manner. Normal cautionary measures for the handling of water based paints are advised. No special arrangements are required for the storage, movement and transportation of the product; the containers, residue, eventual spilt material should be cleaned up using absorbent inert material such as sand, soil etc. etc. and then disposed of in accordance with the regional and national regulations in force at that time. Transportation must be carried out in accordance with international agreements.

Specifications

Clean, degrease and sand down the surface to be treated, removing any loose material. The surfaces must be fully dry (humidity less than 15%). Apply two coats of a transparent acrylic varnish such as NOVALIS WOOD PROTECTION by OIKOS. All must be carried out in accordance with the norms of application, at a cost ofmq. inclusive of materials and labour.