

TECHNICAL DATA SHEET

----- PAINT DIVISION -----

Novalis Wood Protection

sez. 1.0 Technical characteristic

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.

sez. 2.0 Ideal Use

Protection and decoration of wood surfaces in interior and exterior.

sez. 3.0 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.

sez. 4.0 Application method

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

sez. 6.0 Technical Characteristic: application

Dilution	by brush or roller: ready to use By spray gun: 5 ÷ 10 with drinkable water
Yield	10 ÷ 12 m ² /l per coat according to the surface
Application tools	brush, roller or spray gun (0.8 ÷ 1.3 mm nozzle)
Base coat	NOVALIS PORE FILLER or 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 humidity not higher than 75%)
Drying time: wash	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

sez. 7.0 Technical Characteristic: the product

Composition	acrylic resins in water dispersion, special transparent pigments, preservatives and additives to aid in application and the formation of the surface film.
Specific weight	1.02kg/l +/-3%
Gloss	Gloss 88, matt 22 +/-5 gloss (applied on a gloss panel at 120µm wet, reflectometer at 60°C)
PH	8 ÷ 9
Viscosity	Gloss 800 ÷1400, matt 2.000 ÷ 4.000+/-5% CPS 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 0.600 mm
Emission limits of Volatile Organic Compounds (VOC) according to directive	Classification: A/e; VOC: 80g/l (max); Limit Phase I (from 01/01/2007): 150g/l, Limit Phase II (from 01/01/ 2010): 130g/l

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2004/42/CE	
Colours	Transparent uncoloured + Shades of colour chart
Packaging	0,75 – 2.25

sez 8.0 Toxicological data

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.

sez. 9.0 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.

Note

The company Oikos S.r.l guarantees, to the best of its own technical and scientific knowledge, that the information contained in this technical data sheet is correct. Notwithstanding that indicated above, Oikos takes no responsibility for the results obtained through the use of this product in as much as it is not possible for Oikos to check or control the application method used. For this reason, we recommend that you check carefully that each product chosen, is suitable for each individual use to which it is put.