ECOBARP FIREPROOF WATER-BASED VARNISH

Product Description

Water-based flame retardant varnish, based on special resins. Resistant to direct fire action and flame.

Certifications

Reaction to fire UNE EN 13501-1 standard
Classified as B-s 1, d 0



Technical features

Colour UNE EN ISO 3668	Colourless on dry film.
Shine (geometry 60°) UNE EN ISO 2813	Satin and matt
Specific weight (Kg/L) UNE EN ISO 2811-1	Satin: 1.00± 0.03 Kg/L Matt: 1.03± 0.03 Kg/L
Solids by weight (%) UNE EN ISO 3251	39 ± 2 %
Solids by volume (%) UNE 48090-82 (ISO 3233)	37.5 ± 1 %
Viscosity rating	83-85 KU at 20ºC.
Theoretical Performance	11-14 m²/l coat, depending on surface structure and conditions.
Preservation and stability in container	Excellent up to one year in original, unopened container, under normal temperature and humidity. Store in premises protected from frost.
VOCs UNE EN ISO 280 11890	40 - 47 g/L

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ISO 9001 · ISO 14001
ISO 45001

Application instructions

Application	Suitable for finishing and protection of indoor and outdoor surfaces: Windows, doors, beams, trusses and ceilings.
Application temperature	Above 8ºC.
Surface temperature	Above 8ºC.
Relative environmental humidity	Below 80%
Surface moisture	Below 20%
Number of coats	2-3
Subsequent	After 4-8 hours

	Thinner	**Application percentage**
Brush	Water	First coat apply 5-10% diluted. 2nd and 3rd coats apply neat or diluted maximum 5%
Roller	Water	First coat apply 5-10% diluted. 2nd and 3rd coats apply neat or diluted maximum 5%

Thinner for cleaning	Water
Cleaning of utensils	Clean with water immediately after use.

Properties and Instructions for use

Properties:
Easy to apply.
Flame-resistant.
High protection.
High-solid content.
Maximum performance and durability
Repels water and environmental humidity and regulates wood breathability, preventing deformation.
Resistant to adverse weather conditions and solar radiation
Decorates and enhances the natural beauty of wood.

Surfaces preparation:
Surfaces must be clean, dry and consistent.
On unprotected surfaces: Clean, sand and remove dust, grease, oil, waxes and small imperfections.
On surfaces treated with aged protectors: Sand, remove dust and proceed as on "Unprotected surfaces".
On surfaces with aged and deteriorated varnish: Remove these coats and proceed as on "Unprotected surfaces".
Apply primer BARPIDECOR WATER-BASED BASECOAT **(Ref. 2872)** as a complement to the treatment.
To tone up new woods or increase resistance to the outdoor, apply WATER-BASED BARPIDECOR successive coats in the chosen colour until the desired shade is achieved and finish with one or two coats of FIREPROOF WATER-BASED VARNISH.
On tropical woods: Apply first coat of TROPICAL WOODS INSULATING SEALANT **(Ref. I6860)**
Apply 2-3 coats, depending on the orientation and environmental conditions to which the surface is exposed.

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Instructions for use:
Stir the contents of the container well.
Apply with good air renewal, in thin, uniform and well spread coats.
Apply 1st coat diluted 5-10%. 2nd and 3rd coat as is or dilute maximum 5%. Sand gently between coats.

Drying / Polymerisation

Air dry (20ºC and 80% R.H.) UNE EN ISO 3678	30-60 minutes depending on type of wood, thickness applied and environmental conditions.
Minimum repainting interval	4-8 hours
Drying for Physical Tests	15 days

Physical-chemical resistances

Test Tube	Wood
Dry Film Thickness UNE-EN ISO 2808	Depending on the surface absorption and the coats applied.
Adherence UNE-EN ISO 2409	100% on wood

General

Packaging	0.375L, 0.75L, and 4L.
Storage	Store in a cool place. Do not store open containers.

Comments

Shake the contents of the containers before use.
For toxicological regulations, please check the SAFETY DATA SHEET.
Apply in a well ventilated area.
It is not advisable to apply it on woods with a high degree of humidity, greater than 20%.

This sheet has been created with informational purposes only and does not replace expert advice. The information provided reflects our current knowledge and have been obtained from our own experience, but under no circumstance do they entail any warranty whatsoever from our part. For these reasons, we cannot accept any undesired consequence deriving from its use. 10/11/2020. This sheet replaces all previous versions.

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