

UNIEPAL-DREW®

AQUA 1-K

18.07.2024 r.

One-component, water-based fire protection varnish for floors.



Reference documents:



- European Technical Assessment ETA-18/0490 of 29/06/2018
- Declaration of Performance No. DWU/18/2018
- Certificate of Constancy of Performance
- Guarantee period: 6 months from date of manufacture

Use:

UNIEPAL-DREW AQUA 1-K – is intended for use as a fire retardant product to improve the reaction to fire of construction products made of wood or wood-based products, including floors.

Used for fireproofing and decorative finishing of wooden surfaces made of domestic wood species (except exotic wood).
The varnish has high hardness and abrasion resistance, which makes it possible to use it on floors, parquets, stairs and furniture in public premises.

Use category related to exposure to weather conditions:

Typ Z2 - indoor conditions, with humidity below 85% R.H., excluding temperatures below 0 °C.

Classification of flame retardancy of carpets (including flooring):

Flooring made of wood of any type (except exotic wood) with a thickness of at least 12 mm - as flame-retardant (**Bfl-s1**).

Classification of reaction to fire:

Products varnished with **UNIEPAL-DREW AQUA 1-K** in quantities of at least 200 g/m², have been classified for their reaction to fire as **non-inflammable (B-s1, d0)**.

Degree of fire spread:

For building elements excluding external walls when exposed to external fire.
The classification applies to wooden or wood-based elements with a minimum thickness of 12 mm, treated with varnish **UNIEPAL-DREW AQUA 1-K**.
Varnish consumption of 200 g/m².

Degree of fire spread: non-fire-spreading according (NRO) to Technical Terms and Conditions (Journal of Laws of 2002 No. 75 item 690 - as amended) elements in class B-s1,d0 do not spread fire on the basis of classification in accordance with EN 13501-1.
Exotic woods are not included in this classification

Varnish preparation:

- Mix the product thoroughly before use.
- Ready-to-use preparation - do not dilute!

Substrate preparation:

- Fill in any surface defects, clean, degrease and dust off the substrate.
- **UNIEPAL-DREW AQUA 1-K** should only be applied to bare wood surfaces with a relative humidity not exceeding 20%.
- Surfaces made of oak wood require an additional application of a nitrocellulose or alcohol primer.
- When dry, the lacquer forms a satin finish, without changing the colour of the wood.

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Application:

- Apply the varnish at temperatures above 10°C.
- Before starting the actual work, it is advisable to carry out a small-scale test in order to optimise the application parameters (performance, spreadability, drying time, etc.).
- Apply the varnish to vertical and horizontal surfaces two or three times in a total quantity of at least 200 g/m².
- The interval between treatments depends on the ambient temperature and humidity.
- At a temperature of 23°C (± 2) and relative humidity of 50% (±5), the second coat can be applied after 8 hours, the third one after the previous coats have completely dried.
- Immediately after the work is completed, spray tools or a brush should be thoroughly cleaned with water.

Other information, comments:

Spreading rate: max. 4-5m²/l when completely varnished depending on the absorbency of the substrate.

- Solubility: soluble in water.
- When dry, the it forms a satin coat, without changing the colour of the wood.
- Surfaces coated with other varnishes may change the fire classification.
- Abrasion resistance - Taber's Test [g] - PN-EN ISO 7784-2:2006.
- Do not mix with other varnishes.
- Full fire protection is achieved after a period of 24 hours after the varnish is completely dry.

Technical condition:

- Powłoki należy sprawdzić przynajmniej raz na 12 miesięcy.
- W przypadku uszkodzeń należy ubytki uzupełnić.

Storage and transport:

Store and transport in original, sealed packaging, at the temperature: 5- 30°C.
It poses no danger during transport and requires no special handling.

Available packages:

2,5; 10 litrów

2,5 L



10 L



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