

UNIEPAL-DREW®

AQUA KOLOR

18.07.2024 r.

One-component, water-based fire protection varnish for wood and wood-based materials.



Reference documents:



- European Technical Assessment ETA-18/0491 of 29/06/2018
- Declaration of Performance No. DWU/17/2018
- Certificate of Constancy of Performance
- Guarantee period: 6 months from date of manufacture

Use:

UNIEPAL-DREW AQUA KOLOR is intended for use as a fire retardant product to improve the reaction to fire of wood or wood-based building products, excluding floors. Used for fire protection and decorative finishing of wooden surfaces made of domestic wood species (except exotic wood).

Classification of reaction to fire:

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

Degree of fire spread:

For building elements excluding external walls when exposed to external fire.

The classification applies to walls made of European wood with a minimum density of 450 kg/m³ and a minimum thickness of 20 mm, treated with **UNIEPAL-DREW AQUA KOLOR** varnish. Consumption of 200 g/m² of varnish. Degree of fire spread: non fire-spreading (NRO). Classification in accordance with PN-B-02867:2013-06. The classification does not include exotic wood.

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, protected by varnish **UNIEPAL-DREW AQUA KOLOR**. Consumption of 200 g/m² of varnish.

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. The classification does not include exotic wood.

Use category related to exposure to weather conditions:

Type X - all conditions:

internal, partially exposed exposed to external influences and factors (temperature, precipitation, humidity, UV radiation).

Substrate preparation:

- The substrate must be dry, free from grease, dirt, dust, wax, oil and other contaminants. Existing coatings must be completely removed.
- **UNIEPAL-DREW AQUA KOLOR** should only be applied on bare wood surfaces. with a relative humidity not exceeding 20%.
- Surfaces made of oak wood require an additional application of a nitrocellulose or alcoholic primer.
- When dry, the varnish forms a transparent coat, changing the colour of the wood, according to the manufacturer's colour scheme.

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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 smallscale 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 6-8 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, it forms a coloured transparent coat, according to the manufacturer's colour scheme.
- Surfaces coated with other varnishes may change the fire classification.
- The product coating is protected against biological corrosion.
- Full flame retardancy is achieved after a period of 48 hours after the varnish has completely dried.
- Do not mix with other varnishes.

Technical condition:

- Coatings should be checked at least once every 12 months.
- In the event of damage, cavities should be repaired.

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 lites

2,5 L



10L



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