

## Technical Data Sheet

### NEOMID 435

## Waterproof Wood Preservative Decorative Impregnant

TR 20.59.59-046-98536873-2009 as amended No. 2

#### Purpose and Applications

Neomid 435 is intended for use as waterproof wood preservative tinting the wood into brown colour, provides effective long-term protection of various types of wood used for construction works, fences, garden structures and recreation facilities under severe operating conditions, including long-term contact with soil and moisture - Classes of use from 1 to 4 (EN 335: 2013).

Neomid 435 is a synergistic mixture of organic complex compounds of copper, water-based functional additives and a tonic additive.

#### Properties

- Protects against damage by wood-destroying and wood-staining molds, algae, mosses, and woodworms for a period of up to 35 years;
- Not corrosive for mild steel;
- Provides treated wood the high light fastness and weather resistance;
- Does not cause grain raising
- Compatible with on alkyd, alkyd-urethane and acrylic base products;
- Incompatible with chromium-based protective compounds, concentrate should be avoided from contact with copper alloys, for example, brass.

#### Physical and Chemical Characteristics

Parameter	Value
Appearance	Homogeneous liquid is brown, the shade is not standardized
Density, kg/m <sup>3</sup> , within	1150 – 1380
The hydrogen ion concentration index (pH) 10 % solution, units. pH, within	8,0 – 10,0
The position of the absorption band maximum 1 % solution в VIS-field, nm, within	476 - 484

#### Application

##### Wood preparation

The humidity of wood has to be not more than 30%.

Right before application of Neomid 435, the surface must be cleaned of bark and dirt, dust, snow, ice. Hydrophobizing, film-forming or other coatings should be removed from the surface of the wood, which may prevent penetration of the product into the wood. The forehead and the outer crust must be removed. The surface must be cleaned of mold, blue stain and algae. It is recommended to remove them with Wood Renovator Neomid 500, which cleans and restores the natural colour of the wood.

**Impregnation of frozen and icy wood is not allowed!**

The treated wood should not be subjected to subsequent machining (all work must be completed before impregnation). In case of necessity of carrying out of mechanical processing after carrying out of works with Neomid 435 it is necessary to apply Neomid 435 afterwards..

Невыполнение требований к обрабатываемой поверхности приведет к снижению антисептической активности препарата или невозможности пропитывания древесины.

In case if the requirements for the treated surface are not met, Neomid 435 may cause shorter period of protection or the impossibility of impregnating the wood

#### **Application**

Neomid 435 is produced in a 1:9 concentrate. Before application the concentrate must be stirred and diluted with tap water in needed proportion - 1:9.

Application can be done in 2 ways:

- application of the ready mix (with a brush, roller, any spraying device) into 2 - 3 layers with intermediate drying for 20-30 minutes
- dipping into the ready mix for 15-20 minutes

The application must be held in well-ventilated areas or outdoors, at ambient and surface temperatures of not less than 5 ° C.

Treated wood should be protected from water ingress, atmospheric precipitation, to dry completely for 48 hours at a temperature of 16 - 20 ° C and 60% relative humidity. Fixation of the product in the wood occurs within 15 days, during this period, wood can be used for construction works, but it is recommended to protect against water ingress, precipitation and soil contact. Do not apply under direct sun light!

Recommended consumption:

- for planed wood: 150 – 250 g/m<sup>2</sup>;
- for sawn wood: 250 – 400 g/m<sup>2</sup>.

#### **Safety precautions**

All works with Neomid 435 should be carried out in rooms equipped with exhaust ventilation. In case of contact with skin, remove dirty clothes and shoes, rinse affected areas with plenty of water, then with soap and water. If irritation persists, consult a doctor. In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes. If the product gets into the stomach, do not induce vomiting, drink a few glasses of water and consult a doctor.

In case of spill - soak up with an inert absorbent material (sand or sawdust), collect the scoop in a polyethylene tightly closed container and dispose it. Spill the area with water. Do not allow product to enter drains or sewerage systems.

#### **Transportation and storage**

The product may be transported at a temperature of not less than 5 °C by any mode of transport in accordance with the rules for the carriage of goods acting on this mode of transport.

The product should be stored in a closed factory container in a dry, ventilated room at a temperature of 5 to 40 °C. Protect the product from direct sunlight.

The drug retains its properties after 5 cycles of freezing-defrosting. Thawing is carried out at room temperature and stirred.

Neomid 435 is explosion and fire safe.

Shelf life is 12 months.