

# Wood Protection

## Technical Data Sheet



### Product description

Penguin Wood Protection is an alkyd resin based, mono-component, high-quality wood protective varnish that has high penetration function and has high durability against insects and atmosphere's damages. It is resistant against ultraviolet shines. It doesn't changes natural view of woods and paints timbers with keeping the vessels and knots of wood. The result is natural effectiv view.

### Sphere of usage

It can be used for decorative and protective purposes on wooden surfaces that there is a need for protection. It is used to paint wooden surfaces, door and windows, wooden furnitures and other wooden covers in interior and exterior. The temperature of surface and environment must be between +5°C and +30°C during application and has to be applied 2-3 layers. It must be thinned with 30% synthetic thinner in order to obtain high penetration at first layer. There is not any need for thinning at second and third layers.

### Film thickness and spreading rate

	Minimum	Maximum
Film thickness, dry ( $\mu\text{m}$ )	30	40
Film thickness, wet ( $\mu\text{m}$ )	65	80
Theoretical spreading rate ( $\text{m}^2/\text{l}$ )	10	13

### Physical specifications

Color	Different colours
Dry residue content (weight %)	44 $\pm$ 2
Density ( $\text{gr}/\text{cm}^3$ )	0.89 $\pm$ 3
Viscosity	50 $\pm$ 3
Shine	Gloss

### Surface preparation

Surface must be cleaned from dust, dirt, oil substances and old paints.

### Application methods

Spray	Airless spray or convention spray can be used
Brush	Appreciate
Roller	Appreciate

## **Drying duration**

Drying duration depends on weather conditions, thickness and number of layers. In the table below, approximate drying duration is shown in different temperatures.

- Surface must be good-ventilated (Open air or free air circulation)
- Paint must be applied in recommended thickness
- Thickness must be determined according to the number of layers

At normal weather conditions, top drying duration is 3-4 hours, full drying is 24 hours. In order to apply 2nd and 3rd layer, there must be 24 hour interval.

## **Storage conditions**

Paint must be stored without opening in dry, cool, good ventilated places where there is not any risk for high temperature and sparks. It is recommended to mix the paint before usage.

## **Packing types**

Paint is produced in 0.75 l, 2.5 l and 12 kg steel containers.

## **Health and safety rules**

Follow the rules on the containers. Store in depots where there is not any risk for high temperature and sparks. Use in good-ventilated places. If there is a contact with paint, first clean it with proper solvent and then wash skin with water and soap. If eyes contact with paint, it must be cleaned with water and doctor intervention is important.