

## POLYURETHANE TOPCOAT MATT VARNISH

VP509.XX.0000



Read the technical data sheet

### PRODUCT DESCRIPTION

**VP509.XX** is a two component polyurethane based, matte topcoat varnish.

### FEATURES

- Homogeneous mat appearance
- Good levelling
- Good surface hardness
- Ease of application



Stir

### RECOMMENDED USES

It can be used on all kinds of wooden surfaces for indoor furniture and decoration works in order to provide protection and decorative appearance.

### PRODUCT SPECIFICATIONS

**Product Type** : Polyurethane

#### Viscosity

1.component (20°C, DIN4) : 60 - 70 "  
1+2.component (20°C, DIN4) : 23 ± 2 "

#### Specific Gravity (kg/l)

1.component : 0,995 ± 0,03  
2.component : 0,940 ± 0,03

#### Solid Content (% by weight)

1.component : 43 ± 3  
2.component : 26 ± 3

**Coverage\* (m<sup>2</sup>/l)** : 7 - 8,5

\*30-35µ dry film thickness

**Recommended Application** : 100-120 (for one coat)

#### Weight (g/m<sup>2</sup>)

*It depends on application method, seasonal conditions and surface properties.*

#### Drying Time (20°C, 45-65 % RH, 100 g/m<sup>2</sup>, single coat)

Dust free : 10-15 min  
Touch dry : 20-25 min  
Stacking (500 kg / m<sup>2</sup>) : 1 - 1,5 h  
Stacking (1000 kg / m<sup>2</sup>) : 3 - 4 h

### COLOR & GLOSS OPTIONS

Product	Product Code
Polyurethane Matt Varnish	VP509.10
Polyurethane Special Matte	VP509.20
Polyurethane Medium Matte	VP509.30
Polyurethane Silk Matt	VP509.40
Polyurethane Silk Matt	VP509.50
Polyurethane Semi-Matte	VP509.60

\*Other gloss are available according to orders.

Color	Color Code
Transparent	0000

### SURFACE PREPARATION

To be applied on previously sanded with 220-400 surfaces which are pre-coated with Genc Polyurethane Sanding Sealers, Genç UV or Genç Polyester Sanding Selaer. Surface must be clean and dust free; remove all dirt (dust, wax etc.).

### MIXING RATIO

Description	Code	by weight (%)	by volume (%)
Polyurethane Topcoat	VP509.XX	100	100
Polyurethane Hardener	HP600	50	55
Polyurethane Thinner	TP100	40	45

Before usage, stir well and check homogeneity.

\* When the specified mixing ratios are obeyed, the application viscosity is 13-16" (DIN4,20 °C).

**Pot Life, h (20 °C) : 4**

### ALTERNATIVE HARDENERS

HP128 (50%): Can be used to increase wetting and surface hardness. Compared to HP600, the gloss level will be 2-3 gloss higher. Faster drying will occur. High film thickness will form.

### APPLICATION

Can be applied 1 or 2 coats. If two coats are to be applied, the first coat should be applied in the range of 50-80 g / m<sup>2</sup> and the second coat should be applied in the range of 100 - 120 g / m<sup>2</sup>. Between coats 10-15 minutes should be waited.

### Application Equipment

Spray Gun  
Airmix Spray

### STORAGE & HANDLING

Store in a cool, dry place and away from heat.

Close all containers after use.

Shelf life is 2 years if stored under specified conditions.

Data provided on this Technical Data Sheet correspond to our best knowledge and experience. We assure consistency on the chemical-physical characteristics of our products, within the tolerance limits specified on our Technical Data Sheets. Responsibility of final result of product application is fully up to the users, who shall make sure that the product corresponds to their own needs with regard to application system, to substrates used as well as to working conditions.

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### HEALTH & SAFETY

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For full Health and Safety information, please refer to Safety Data Sheet

Gloves and suitable protective equipment must be worn while using these products.

Good ventilation must be provided in the working environment.

It is flammable and inflammable. No smoking during use and should be applied away from heat, fire and sparking devices

### WARNING

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Products are recommended for use under temperature conditions 10-32°C for surface, product and environment. Relative humidity should be between 45-65 % during application and drying time. Low temperatures, poor air circulation or high humidity will extend dry times and they also can affect product performance negatively.

To obtain a uniform gloss level, it is extremely important to stir 1. comp. well before each application, preferably using a spatula.

Application equipment should be cleaned with cellulosic thinner after application.

### TRANSPORT INFORMATION

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**Freight Classification** : Varnish

**Packaging** : **VP509.XX HP600**

12 kg	6 kg
3 kg	1,5 kg