

PUMV (5004,5005,5006)

POLYURETHANE ULTRA SCRATCH-RESISTANT MATTE VARNISH



Check TDS



Mixing Ratios:
2/1



Stir before use



Keep package closed



Store package in a
cool place



Apply by spraying



Pay attention
application viscosity



Pay attention to
flash-off times



Stack dry time is
12-24 hours

PRODUCT DESCRIPTION

PUMV is a two-component, solvent-based polyurethane system specifically formulated for use in interior furniture and decoration projects, as well as on all types of solid wood and MDF surfaces.

PRODUCT NOTES

- Applied on raw solid wood or raw veneered panels.
- Applied on filled panels.
- Leaves a smooth and homogeneous surface.
- Offers better yellowing resistance compared to similar products.
- Provides extra resistance to scratches and impacts.

PHYSICAL PROPERTIES

PUMV - 5004,5005,5006 (1st Component)	Value
Viscosity(DIN4mm, 25°C)	40 – 42 sec
Solid Content(w/w)	48 – 50 %
Density (20 °C)	0,97 – 1,01 g/ml
Gloss (60°)	10-15 GU (5004) 20-25 GU (5005) 40-45 GU (5006)
Pot – Life (at 20 °C)	3 – 4 hours
APMS-1000 (2nd Komponent)	Value
Viscosity(DIN4mm, 20 °C)	12 - 14 sec
Solid Content (w/w)	28 – 30 %
Density (20 °C)	0,97 – 1,01 g/ml

MIXING RATIOS

Component	Code	By weight
1st Component (product)	5004 5005 5006	100
2nd Component (hardener)	APMS-1000	50
Thinner *	SL-01	20-25

* For alternative hardeners or thinners to address issues that may arise in cold winter weather or hot summer conditions, please consult technical support.

DRYING TIMES

* (20 °C, %60 RH, 100µ on wet film)

Method	Duration
Dust dry	25-30min
Touch dry	45-50min
Stack dry	12-24 hours

APPLICATION METHOD

The varnish, mixed with the specified amount of components and thinned with thinner, is applied in two cross-coats at 150-200 g/m² wet application onto surfaces preferably prepared with polyurethane filler. When left to cure in a dust-free environment, it creates a homogeneous and smooth surface. For flat surfaces like tables and coffee tables, an additional cross-coat can be applied 15-20 minutes later if desired.

**COLORING**

It can be colored with tinting pastes, preferably up to a maximum of 20%.

SURFACE PREPARATION

It is preferably applied to veneered or solid wood surfaces that have been filled. Before application, it is recommended to sand the filler with 180-220 and 360-400 grit sandpaper. The surface should be cleaned of sanding dust and prepared for application.

SAFETY INFORMATION

Do not apply the product without reviewing the Material Safety Data Sheet (MSDS). Personal protective equipment is required. Use solvent-resistant gloves, a half or full-face mask with an activated carbon filter, and safety goggles.

The application area must be well-ventilated, free from smoking, clear of open flame sources, and equipped with explosion-proof electrical installations.

Keep away from children.

Empty packages should be collected and disposed of properly.

If medical assistance is needed, keep the product packaging, label, and MSDS readily available.

**APPLICATION EQUIPMENT**

Can be applied with all manual and automatic spray equipment.

Appropriate for use with bottom/top-feed atmospheric or pressure feeding vessel spray guns as follows:

HVLP (1,4 – 1,6mm, 2,5 – 3,0bar pressure)

Airless (11 – 13#, 20 – 40bar pressure)

Air-assist (11 – 13#, 20 – 40 bar pressure)

It is suitable for use with spray guns.

**WARNING**

Temperature and relative humidity in the application place, obeying intercoat flash-off times, thinning the product with the recommended thinners and ventilation of drying areas in suitable conditions can affect the performance of the product after application. It is recommended to apply at 15 °C to 30°C temperature, 25% to 75% relative humidity. Otherwise, the specified drying times and performance may vary.

PACKAGING and TRANSPORT INFORMATION

5004 12kg (UN1263)

5005 12kg (UN1263)

5006 12kg (UN1263)

Transported with vehicles in accordance

with ADR regulations

STORAGE INFORMATION

Packages should be stored in a dry, cool, wellventilated place, away from sources of heat and ignition.

Packaging lids should be continuously kept closed.

Storage time: 1 Year in unopened package at 5 °C to 40 °C.

