



# Two-component polyurethane flat lacquer

## «MasterPol-321»

### DESCRIPTION

Two-component polyurethane finishing matt lacquer based on organic solvents for decoration and protection of polymer coatings from wearing. It consists of a semi-finished lacquer MasterPol-321 (component A) and a hardener MasterPol 321 PU (component B).

### FIELDS OF APPLICATION

It is used for final finishing of industrial floors monolithic polymer coatings including coatings decorated with colored chips. It is used as finishing coating in the systems «MasterPol-010»+«MasterPol-210», «MasterPol-011»+«MasterPol-210» (ТУ 20.30.22-012-69372620-2021, ТУ 20.30.22-015-69372620-2021) to make the surface matt as well as to seal off decorations (chips, flocks, sparkles, etc.)

### TECHNICAL DATA

Colour	Colourless
Surfacce	Homogeneous matt surface with no apparent defects
Gloss	3 - 7 %
Mass fraction of dry residue component A	No less 42%
Density component A	0,98±0,05 g/cm³
Mixture density (base +hardener)	0,93±0,05 g/cm³
Open time at +20°C and air humidity 75% to grade 3	No more than 120 min
Dry volume residue	25±3 %
Film thickness	from 20 to 35 mc
One layer consumption	50-90 g/m²
Readiness for operation	7 days

### INSTRUCTION FOR USE

The surface to be coated must be dry, clean and free of grease.

### CONDITIONS

The minimum ambient temperature is +5 °C. The maximum ambient temperature is +35 ° C. The maximum relative humidity is 80%.

### APPLICATION

#### Смешивание

Component A (base) is mixed in a manufacturer's or special container, then component B (hardener) is added. Next, the components are thoroughly mixed for 3-5 minutes with a construction mixer.



<b>Proportions</b>	100:87 by mass 1:1 by volume
<b>Open time to grade 3 at 20±2°C</b>	24 hours
<b>Tools</b>	- two spindle construction mixer - velvet roller with bristle 4 mm/ pileless roller
<b>Application</b>	The lacquer is applied in a thin layer of 20-50 microns on the polymer floor. The material is applied in a uniform layer without gaps on a clean and dry surface with a velvet roller with a pile of 4 mm. To have gaps in the lacquer film on the surface is not allowed. The task when coating is to create a uniform layer on the entire surface (see consumption below). It is possible to apply two layers if necessary (apply the second layer after the first layer is completely cured). Apply the second layer in the cross direction to the first layer. Do not allow spills during application! One layer coating is recommended for floor decorative finishing. Two layers coating is required to form a wear-resistant coating, while providing a decorative finish.
<b>Air spraying</b>	Nozzle diameter: 1,2-1,4 mm Initial pressure: 3,0-4,0 atm
<b>Cleaner</b>	RP-1K
<b>Cleaning</b>	Clean straight after using due to painting equipment manual.

<b>PACKAGE SIZE</b>	Metal euro bucket 21 l: basis 10 kg Metal can 10 l: hardener 8,7 kg
<b>STORAGE</b>	Store in a tightly closed container in a dry room, away from sources of ignition, protecting from direct sunlight and moisture at the temperature from 5°C to +30°C.
<b>GUARANTED STORAGE LIFE</b>	Expire date is 6 months in case if delivery and storing rules are followed. After expire date shouldn't be used without tests.
<b>HEALTH AND SAFETY</b>	When painting work, use personal protective equipment (respirators, gloves, glasses, etc.). Work inside the room should be carried out with artificial (local, general) or natural ventilation. Use the lacquer only in places without sources of open fire and ignition. Avoid contact with skin or eyes. In case of skin contact immediately wipe with a rag or cotton swab, rinse thoroughly with soapy water, do not use solvents. In case of eyes contact rinse with clean water for at least 10 minutes, consult a doctor. In case of ingestion, consult a doctor.
<b>RECYCLING</b>	Packing materials are recycled as consumer waste.

#### Further Information.

The recommendations above are based on our own research and our best knowledge but don't fully guarantee any particular case as it depends on the quality, friability and porosity of the base. The local working conditions and methods may vary and are beyond our control. Therefore we cannot be held responsible for the actual work on the site. The information is currently updating.