



ООО «Полимер Экспорт»

ПРОМЫШЛЕННЫЕ ЛАКОКРАСОЧНЫЕ ПОКРЫТИЯ

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Release date: 14.08.2023

Manufacturer: Russian Federation

Two-component polyurethane finishing lacquer «MasterPol-321 ПУ»

TU 20.30.22-018-69372620-2022

DESCRIPTION

Polyurethane two-component matte finish varnish based on organic solvents for decorative finishing and protection of polymer coatings from wear. The product consists of a semi-finished varnish MasterPol-321 PU (component A) and a hardener MasterPol-321 PU (component B) which are mixed immediately before use.

FIELDS OF APPLICATION

Polyurethane two-component varnish is used for the final finishing of industrial floors monolithic polymer coatings including coatings decorated with colored chips. It is used as a finishing coating in a system with polyurethane and epoxy materials of the MasterPol series (TU 20.30.22-012-69372620-2021, TU 20.30.22-015-69372620-2021) to give the surface a matte effect as well as to seal decorative elements (chips, floks, sequins, etc.)

TECHNICAL DATA

Colour	Transparent
Surface	Homogeneous matt surface with no apparent defects
Gloss	3 – 7
Density component A	0,98 ±0,05 g/cm ³
Density component A+B	0,93 ±0,05 g/cm ³
MDNW component A	no less 42 %
Open time at +20°C and air humidity 75% to grade 3	2 hours
One layer consumption	50-90 g/m ² 7
Readiness for operation	7 days
Hardener	MasterPol-321 ПУ

INSTRUCTION FOR USE

When applying to the old coating, the surface to be coated must be 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%. The dew point is not allowed to fall out! The material reacts with water and air moisture, so it is necessary to protect the material and the coating (before it is cured) from water impact and atmospheric moisture condensation.

APPLICATION

Blending

The product is two-component. Component A is a composition of hydroxyfunctional resin, thinners and target additives. Component B is a hardener.

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



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Система Менеджмента Качества (ISO 9001)



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Proportions	100:87 by weight 1:1 by volume
Pot life at 20±2°C, no less	24 hours
Tools	- two spindle construction mixer - velvet roller with bristle 4 mm/ pileless roller
Application	The varnish is applied with 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 velour roller with a pile of 4 mm. It is unacceptable to have gaps in the lacquer film on the surface. The task when applying the varnish is to create a uniform layer on the entire surface. It is possible to apply two layers of varnish (applying the second layer after the first layer has fully cured) if necessary. The second layer should be applied in the cross direction to the first layer. Do not allow the formation of spills of the material 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.
Air spraying	Nozzle diameter: 1,2-1,4 mm Initial pressure: 3,0-4,0 atm
Cleaner	Thinner "RP-1K"

PACKAGE SIZE

Metal euro bucket 21 l: basis 10 kg
Metal can 10 l: hardener 8,7 kg

STORAGE

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. DO NOT FREEZE!

GUARANTEED STORAGE LIFE

The warranty period of polyurethane varnish storage is 6 months from the date of manufacture, subject to the consumer's compliance with the rules of transportation and storage. After the expiration of the warranty period of storage, it is not recommended to use materials without laboratory testing.

HEALTH AND SAFETY

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.

RECYCLING

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.



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