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Manufacturer: Russian Federation

Two-component polyurethane finishing lacquer «MasterPol-310»

ТУ 5772-028-20514586-2014

CERTIFICATECertificate of Conformity №: C-RU.ПБ 58.B.02018 from 13.05.2016.
Certification Test Report №: 247-C/TP-16 from 06.05.2016.**DESCRIPTION**

Two-component polyurethane finishing water-based matt lacquer for decoration and protection of polymer coatings from wearing.

FIELDS OF APPLICATIONIt 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 system «MasterPol-010»+«MasterPol-210» to make the surface matt as well as to seal off decorations (chips, flocks, sparkles, etc.)
It does not contain organic solvents. It is cost-effective.**TECHNICAL DATA**

Colour	Colourless opaque lacquer
Surface	Homogeneous matt surface with no apparent defects
Density component A	1,06 ±0,05 g/cm ³
Mixture density (base +hardener)	1,05±0,05 g/cm ³
Open time at +20°C and air humidity 75% to grade 3	No more 90 min
Solid basis	No less 25%
Coating hardness	0,27 per unit
One layer consumption	40-50 g/m ²

INSTRUCTION FOR USE

When applying to the old coating, the surface to be coated must be clean and free of grease.

CONDITIONSThe 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	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 2-3 minutes with a construction mixer.
Proportions	100:20 by weight
Pot life	6 hours

Mixture lifetime

Temperature	+10°C	+20°C	+30°C
Lifetime	18	6	2


Curing time

Temperature	+10°C	+20°C	+30°C
Tack-free dry	12 hours	120 min	60 min
Foot load	24 hours	12 hours	6 hours
Light load	48 hours	48 hours	24 hours
Normal load	7 days	7 days	5 days

Tools

- two spindle construction mixer
- velvet roller with bristle 4 mm/ pileless roller

Application

The lacquer is applied in a thin layer of 40-50 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 3 hours 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.

Air spraying

Operation viscosity: 20-25 s
 Thinning: no
 Nozzle diameter: 1,2-1,8 mm
 Initial pressure: 3,0-4,0 atm

Cleaner

water

Cleaning

water

PACKAGE SIZE

Metal euro bucket 21 l: basis 15 kg
 Metal can 3 l: hardener 3 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!

GUARANTED STORAGE LIFE

Expire date is 6 months in case if delivery and storing rules are followed. Residue in component A is allowed. After expire date shouldn't be used without tests.

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.