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Manufacturer: Russian Federation
TC 20.30.22-010-69372620-2022

Primer-enamel Polytex SQ

CERTIFICATE

State Registration Certificate № KG.11.01.09.008.E.000124.02.16 from 22.02.2016.
Declaration of Conformity to ГОСТ Р 51691-2008 Table 1 (characteristics 2,3), Table.2, Table.4, paragraphs. 5.9, 5.10 № РОСС RU Д-РУ.АД37.В.25136/20 from 14.02.2020.
Materials Safety Data Sheet №69372620-20.30-9305 from 30.09.20.
Materials Safety Data Sheet №69372620-20.59-9304 from 30.09.20.

DESCRIPTION

Two component polyurethane primer-enamel, hardened by aliphatic polyisocyanate.

FIELDS OF APPLICATION

Polytex SQ enamel primer is the material of good value for money with no pre-priming. It comes both with various degrees of gloss (from deep matt to high gloss) and a large selection of ready-made color solutions. Thick-layer application is possible.

It is used for anticorrosive protection of internal and external surfaces of various vehicles: agricultural and construction equipment, public transport (buses, trolleybuses, trams, etc.), railway transport, as well as other metal surfaces that require oil and gasoline resistance, increased resistance to moisture, as well as resistance to temperature differential and UV radiation.

Polytex SQ enamel primer has good adhesion, bending strength, abrasion resistance, and accelerated open time. It is successfully used in temperate and cold climates, providing long-term protection against corrosion.

Information on the material resistance to various media is available on request.

Main applications: mechanical engineering.

TECHNICAL DATA

Colour	Colour list of RAL	
Gloss	G035: 0-35%; G3570: 35-70%; G7095: 70-95%.	
Mass fraction of dry residue component A	55±5%	
Adhesion to metal (GOST 15140), no more	1 point	
Density component A	1,07±0,05 g/cm ³	
Density components A+B	1,09±0,05 g/cm ³	
Max. one layer thickness without thinning	130 microns dry layer 250 microns wet layer	
Max. one layer thickness, viscosity 40 s	60 microns dry layer 150 microns wet layer	
Dry volume residue	52±5% (depending on the colour and gloss grade)	
Dry film thickness and estimated consumption	Dry film thickness, microns	Estimated consumption, g/m ²
min	60	125
max	120	250
Open time to grade 3 at 20°C, no more (wet film thickness 100 microns)	1 to 5 hours (depending on the colour and gloss grade)	
Hardener	Polytex SQ	

Due to the wide range in color and / or gloss, this description is informative.

Certificate of quality is the document confirming the quality of each production lot.

INSTRUCTION FOR USE

Metal surface should be abrasive blasted to grade 1 or 2 to GOST 9.402 (Sa 2^{^(1/2)}) or Sa 2 no ISO 8501-1:2007). Clean surface must be free from dust and grease.

If the quality of surface preparation decreases, the service life and its operating performance may change.

CONDITIONS



000 «Полимер Экспорт»

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Two component polyurethane primer-enamel Polytex SQ is applied on prepared surface cleaned to grade 3 due to GOST 9.402-2004 or grade St 2 to ISO 8501-1:2007, with ambient temperature from +5°C to +30°C and air humidity no more than 80%.
Basis temperature higher than dew point no less than 3°C.

APPLICATION

Blending	Polyurethane primer-enamel consists of two components: component A - basis, component B - hardener. Before use, pre-mix component A with a low-speed drill with mixing nozzle, then mix with component B in stoichiometric ratio in the delivery form. Mix the resulting material thoroughly until smooth. After the hardener is added into the semi-finished product, the material should be allowed to stand for at least 5-10 minutes.
Proportions	100:5 by weight 20:1 by volume
Pot life at 20°C, no less	No less 5 hours
Air-free spraying	Thinning: 0-20% Nozzle diameter: 0,011-0,017" Initial pressure: 120-160 atm
Air spraying	Operational viscosity: 25-60 s Thinning: 5-30% Nozzle diameter: 1,8-2,5 mm Initial pressure: 3-4 atm
Cross linking at 20°C	30 min
Brush, roller	Can be recommended for small and hard-to-reach areas. Thin the primer-enamel depending on the working conditions when using brush.
Thinner	Formula thinner RP-1K, RP-1KF, Polytex
Cleaner	Formula thinners RP-1K, RP-1K F, thinners of type P4, P5, toluene and xylene.
Finishing	Tubing, pistol and other spraying tools must be cleaned after using.
Cleaning	Clean straight after using due to painting equipment manual.

PACKAGE SIZE

Metal euro bucket 21 l: basis 20 kg
Metal bottle 1 l: hardener 1 kg

STORAGE

Store in a tightly closed container in a dry room, away from sources of ignition, protecting from direct sunlight and moisture.

GUARANTEED STORAGE LIFE

Expire date is 12 months in case if delivery and storing rules are followed. 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 primer enamel 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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