



Release date: 1.10.2024
 Manufacturer: Russian Federation
 TC 20.30.22-008-69372620-2021

Enamel Polytex 3390 HS G95

CERTIFICATE

Certificate of conformity to requirement documents on re-issue.
 State Registration Certificate № RU.8.08.09.008.E.000041.02.22 from 11.02.2022.
 Safety data sheet of chemical products from 28.01.2022.
 MSDS № №69372620.20.85257 от 14.11.2023 г
 System including enamel «Polytex» and primer «EPPEX» undergone accelerated environmental tests in «LKP-Khotkovo-Test», LLC NPO «LKP» to confirm projected lifetime of the coating – 20 years.

DESCRIPTION

Two component polyurethane enamel, hardened by aliphatic polyisocyanate with high dry residue.

FIELDS OF APPLICATION

Polytex 3390 HS 95 enamel is used to create high-gloss (with gloss of $\geq 95\%$) finishing coatings with to high requirements for appearance.

They are used to paint commercial vehicles, special equipment, rolling stock (mainly for painting motive-power units and passenger compartments), large-sized vehicles, antenna-mast, support and modular structures, as well as other primed metal surfaces with high requirements for appearance.

The enamel coating has an even gloss, accelerated open time, excellent adhesion, excellent resistance to shocks, bends and other mechanical impacts.

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

Main fields of application: mechanical engineering, power engineering, railway transport facilities.

TECHNICAL DATA

Colour	Colour list of RAL	
Gloss	G 95 \pm 3 ед	
Mass fraction of dry residue component A	65-75%	
Adhesion to metal (GOST 15140), no more	1 point	
Density component A	1,23 \pm 0,08 g/cm ³	
Density components A+B	1,20 \pm 0,08 g/cm ³	
Max. one layer thickness, viscosity 25 s	75 microns wet layer	
Dry volume residue	60 \pm 5%	
Dry film thickness and estimated consumption	Dry film thickness, microns	Estimated consumption, g/m ²
min	30	62
max	75	155
Open time to grade 3 at 60 \pm 2°C, no more (wet film thickness 60-80 microns)	40 min	
Hardener	Polytex ST Polytex ST2 Polytex ST2S	

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

Two component polyurethane enamel Polytex 3390 HS G95 is applied on primed surface. The surface can be abrasive blasted with grain P-180 to P-320.

CONDITIONS

Basis temperature higher than dew point no less than 3°C.
 Ambient temperature from +5°C to +30°C.
 Relative air humidity no more 80%.



APPLICATION

Blending	Polyurethane 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	<p>Polytex ST hardener 100:24 by weight 3,5:1 by volume</p> <p>Polytex ST2 hardener 100:20 by weight 4,5:1 by volume</p> <p>Polytex ST2 hardener 100:45 by weight 2:1 by volume</p>
Pot life at 20±2°C, no less	3 hours
Air spraying	<p>Operation viscosity: 20-25c Thinning: 10-30% Nozzle diameter: 1,4-1,8 mm Initial pressure: 3-4 atm</p>
Air free spraying	<p>Thinning: 5-20% Nozzle diameter: 0,009-0,011" Initial pressure: 110-140 atm</p>
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 Polytex Slow
Cleaner	Formula thinner Polytex, thinners of type P4, P5.
Finishing	Tubing, pistol and other spraying tools must be cleaned after using.
Cleaning	Clean straight after using due to painting equipment manual.

DRYING TIME

Surface temperature	+5°C	+10°C	+20°C	+30°C	+40°C
Degree 1 (GOST 19007)	8 h	6 h	3,5 h	2 h	1,5 h
Degree 3 (GOST 19007)	24 h	16 h	8 h	6 h	3 h
Minimum recoating interval	12 h	8 h	1 h	1 h	30 min
Start of operation	14 d	10 d	7 d	7 d	7 d

Minimum recoating interval: the minimum recommended time the next coat to be applied.

Start of operation: the minimum time the coating to be exposed to a given environment.

These data should be considered only as indicative for a wet film thickness of 100 microns.



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PACKAGE SIZE

Metal euro bucket 21 l: basis 15 kg
Metal bottle 5,2 l: hardener 3,6 kg (Polytex ST hardener)

Metal euro bucket 21 l: basis 15 kg
Metal bottle 5,2 l: hardener 3,0 kg (Polytex ST2 hardener)

Metal euro bucket 21 l: basis 15 kg
Metal bottle 10 l: hardener 6,8 kg (Polytex ST2S hardener)

STORAGE

Store in a tightly closed container in a closed dry room at a temperature from - 40 ° C to + 40 ° C, away from sources of ignition, protecting from mechanical damage, direct sunlight and moisture.

GUARANTEED STORAGE LIFE

Polytex 3390 HS G95 basis (component A) guaranteed shelf life is 24 months from the date of manufacture, subject to the consumer's compliance with the rules of transportation and storage

Polytex ST, Polytex ST2, Polytex ST2S hardener (component B) guaranteed shelf life is 24 months from the date of manufacture, subject to the consumer's compliance with the rules of transportation and storage

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 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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На рынке с 2002 года