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 Manufacturer: Russian Federation  
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# Primer - enamel Polytex 3390 HS

## CERTIFICATE

Declaration of Conformance № РОСС RU Д-РУ.РА02.В.12416/21 от 23.12.2021 г.  
 State Registration Certificate № RU.8.08.09.008.E.000040.02.22 от 11.02.2022 г.  
 MSDS №69372620.20.85255 от 14.11.2023 г.  
 MSDS №69372620.20.85257 от 14.11.2023 г.

## DESCRIPTION

Two component polyurethane primer-enamel, hardened by aliphatic polyisocyanate

## FIELDS OF APPLICATION

**Polytex 3390 HS primer enamel is used for metal structures anticorrosive protection, as well as for creating high-quality coatings distinguished by outstanding weather resistance. It has both accelerated time of complete polymerization and stable gloss.**

Polytex 3390 HS is used to paint commercial vehicles (vans, buses, trolleybuses, tow trucks, garbage trucks, cars used for street washing, dumpers, car counters, trailer transformers, etc.), as well as other metal surfaces which are of high requirements both in appearance and wear resistance.

Primer-enamel is used in conditions of diverse aggressive impacts – chemical, atmospheric, mechanical, as well as in conditions of high humidity.

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

Main fields of application: oil and gas industry, power engineering, capacitive equipment, mechanical engineering, chemical industry.

## TECHNICAL DATA

<b>Colour</b>	Colour list of RAL	
<b>Gloss</b>	G3570: 35-70 ед. G7095: 70-95 ед. G95: 95±3 ед.	
<b>Mass fraction of dry residue component A</b>	60-70 %	
<b>Adhesion to metal (GOST 15140), no more</b>	1 point	
<b>Density component A</b>	1,22±0,05 g/cm <sup>3</sup>	
<b>Density components A+B</b>	1,19±0,05 g/cm <sup>3</sup>	
<b>Max. one layer thickness, viscosity 25 s</b>	150 microns wet layer	
<b>Dry volume residue</b>	55±5%	
<b>Dry film thickness and estimated consumption</b>	Dry film thickness, microns	Estimated consumption, g/m <sup>2</sup>
<b>min</b>	80	173
<b>max</b>	120	260
<b>Hardener</b>	Polytex ST Polytex ST2	

\* characteristics of materials containing aluminum pigments may differ from the standard technical characteristics  
 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 2,5 or Sa 2 to 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

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

<b>Blending</b>	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.
<b>Proportions</b>	<b>Polytex ST hardener</b> 100:20 by weight 4,5:1 by volume <b>Polytex ST2 hardener</b> 100:17 by weight 5,5:1 by volume
<b>Pot life at 20±2°C, no less</b>	No less than 5 hours
<b>Air spraying</b>	Operational viscosity: 25-40 s Thinning: 5-10% Nozzle diameter: 1,5-1,7 mm Initial pressure: 3-4 atm
<b>Brush, roller</b>	Can be recommended for small and hard-to-reach areas. Thin the primer-enamel depending on the working conditions when using brush.
<b>Thinner</b>	Formula thinner Polytex, Polytex Slow
<b>Cleaner</b>	Formula thinner Polytex, thinners of type P4, P5, xylene.
<b>Finishing</b>	Tubing, pistol and other spraying tools must be cleaned after using.
<b>Cleaning</b>	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)	10 h	6 h	3 h	2 h 10 min	1 h 20 min
Degree 3 (GOST 19007)	15 h	10 h	5 h	3 h 40 min	2 h 30 min
Minimum recoating interval	2 h	2 h	30 min	30 min	20 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.

#### PACKAGE SIZE

Metal euro bucket 21 l: basis 16 kg;  
Metal bottle 5,2 l: hardener 3,2 kg (Polytex ST hardener)

Metal euro bucket 21 l: basis 16 kg;  
Metal bottle 3 l: hardener 2,7 kg (Polytex ST2 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 primer enamel 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 and Polytex ST2 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. After expire date shouldn't be used without tests.



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#### 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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Качества  
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На рынке  
с 2002 года