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Manufacturer: Russian Federation
ТУ 20.30.22-008-69372620-2021

Primer Polytex BS

CERTIFICATE

Certificate of conformity to requirement documents № РОСС RU Д-RU.PA02.B.12416/21 from 23.12.2021.
Safety data sheet of chemical products from 28.01.2022.

DESCRIPTION

Two component polyurethane primer, hardened by aliphatic polyisocyanate.

FIELDS OF APPLICATION

Polytex BS primer enhances the protective anti-corrosion properties of the complex coating. It is intended to prime metal structures in the industrial atmosphere of moderate-cold and cold climates exposed to vibration stress.

It is used to prime railway and urban transport, construction metal structures, oil and gas pipelines, tanks, oil storage facilities, bridges, hydraulic facilities, power transmission towers, cell towers, devices and equipment, as well as other metal surfaces with high requirements for hardness, strength, abrasion resistance, moisture resistance. It is characterized by good sanding, bending strength, improved adhesion, and accelerated open time. As part of a complex coating, it is successfully used in moderate and cold climates, while providing long-term protection against corrosion.

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

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

TECHNICAL DATA

Color	Grey (other colours due to customer need)	
Mass fraction of dry residue component A	59±5% (depending on colour and gloss grade)	
Adhesion to metal (GOST 15140), no more	1 point	
Density component A	1,34±0,05 g/cm ³	
Density components A+B	1,1±0,05 g/cm ³	
Max. one layer thickness, viscosity 100 s	500 microns wet layer	
Dry volume residue	50±5%	
Dry film thickness and estimated consumption	Dry film thickness, microns	Estimated consumption, g/m ²
min	40	97
max	250	609
Open time to grade 3 at 20±2°C, no more (wet film thickness 100 microns)	1.5-2 hours	
Hardener	Polytex ST Polytex ST2 Polytex ST2S	
Readiness for operation	7 days	

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 ISO8501-1:2007). 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

Ambient temperature from +5°C to +30°C.

Relative air humidity no more 80%.



APPLICATION

Blending	Polyurethane primer 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 100:9 by weight 9,5:1 by volume</p> <p>Polytex ST2 hardener 100:7 by weight 13:1 by volume</p> <p>Polytex ST2S hardener 100:16 by weight 4,5:1 by volume</p>
Pot life at 20 ±2°C, no less	3 hours
Air-free spraying	Thinning: 0-30% Nozzle diameter: 0,011-0,017" Initial pressure: 120-160 atm
Air spraying	Operational viscosity: 25-100 s Thinning: 5-35% Nozzle diameter: 1,8-2,5 mm Initial pressure: 3,0-4,0 atm
Cross linking at 20°C	Before coating - 30 min with 60 microns dry layer
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, Polytex SLOW, RP-1K.
Cleaner	Formula thinner Polytex, RP-1K, RP-1K F, 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.

PACKAGE SIZE

Metal euro bucket 21 l: basis 20kg;
Metal bottle 3 l: hardener 1,8 kg (Polytex ST hardener)

Metal euro bucket 21 l: basis 20kg;
Metal bottle 3 l: hardener 1,5 kg (Polytex ST2 hardener)

Metal euro bucket 21 l: basis 20kg;
Metal bottle 5,2 l: hardener 3,2 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

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 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.



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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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