



**Two-compound acryl-urethane
zinc filled primer
"Sintego-UR.04 zinc"**



TC U 24.6-32803942-026:2008

«Sintego-UR.04 zinc» is a two-compound primer of high quality based on acryl-urethane mediums, containing metallic zinc that forms system of cathode protection on the surface of the protected material and prevents corrosion as well as strength protection property of the primer.

Spheres of Application and Characteristics:

- Thanks to high quality system of base and fillers the primer has a thick scam that has high adhesion and anticorrosion characteristics. It is used for cold zincking.
- It rids of obstacles mainly according to cathode process, as zinc metallic coatings, the primer makes “cold” zincking of steel.
- It has the property of self-healing in places of coatings’ blemishes (scratches, chips) and prevents corrosion.
- The primer is Электропроводен, не накапливает статического электричества.
- The primer may be applied with air and airless spraying as well as with a brush or a roller.
- Thanks to low toxicity of the containing solvents and resins, the primer is very comfortable for application and low toxic that favorably differ it from the epoxy coatings.
- It has better anticorrosion characteristics than one-component acryl-urethane primers and, moreover, glyptal and pentaptal primers.
- It is used as a primer, especially, in difficult cleaning steel constructions exposed to mechanic and chemical impacts as well as during contact of the coating with sea and sweet water and in damp climate.
- It is recommended for the first and repairing painting of bridges, steel and reinforced concrete constructions, tanks, equipment of chemical and petrochemical equipment, port and by-port constructions, sea and river crafts, railway wagons and automobile trucks, pipelines, etc.
- The material may be used as a intermediate layer in the following coating systems: acryl-urethane primer – intermediate layer – finishing coating.
- Working life of the primer is 10 years minimum.
- The primer is well combined with epoxy, polyurethane, acryl and alkyd coatings. The recommended main layer – epoxy enamel “Sintego EE” or alkyd-urethane priming enamel “Sintego-UR.02”.
- Finishing layer – acryl-urethane varnish «Sintego-UR.01».

Technical characteristics:

Name of characteristic and measure unit	Value
Appearance	Matte coating of dark red or grey color free from inclusions and bits
Non-volatile matters content, %, min.	70
Relative viscosity by flow meter-246 with nozzle diameter 4 mm at 20,0±0,5°C, sec.	from 50 to 80
Density at 20±0,5 °C, g/cm ³	from 1,50 to 1,60

Degree of grinding, mcm, max.	40
Adhesion, points, max.	1
Layer flexibility, mm, max.	2
Strength at impulse, cm, min.	65
Recommended thickness of the layer, mcm	from 20 to 50
Drying time of the layer with thickness of 30 mcm up to the degree 3 at 25 °C, h, max.	5
Water resistance, h, min.	72
3 % sodium chloride solution resistance, h, min.	72
White spirit resistance, h, min.	72
Toluene resistance, h, min.	72
Material consumption at the thickness of the layer 20-50 mcm, kg/mI	from 0,05 to 0,08

Application instruction

The primer is thoroughly mixed with the hardener in ratio 100:12 by mass before application. The working material has its viability for 8 hours if it is stored in hermetic package.

The primer is applied on the previously prepared according to State Standard No. 9.402 or MI ISO 8501-1 (up to the degree Sa2S or to St3) surface by air or airless spraying, with a brush or a roller at the surface temperature 3 °C above drop point. The recommended quantity of layers 1-2.

Package and storage

Packaging is made according to State Standard 9980.3.

Storage is carried out according to State Standard 9910.5.

Guarantee storage term of the primer – 12 months from the date of manufacture.

Occupational safety and safety appliances

During primer application, follow precautions recommended during the working with alkyd and aliphatic urethane resins and hardeners.

The primer should be used in well ventilated rooms. Avoid inhalation, eye and skin contact.



Bureau Veritas Certification confirms that Quality Management System of InterGazSintez is examined and met the requirements of standard ISO 9001:2000 in anticorrosion, fireproof and other paints production (Certificate No. 213639 dated 12.09.07).

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Enterprise “InterGazSintez” received Certificate of Certification System UkrSepro as for the accordance of the Quality Management System of production to GOST (State Standard) ISO 9001-2001 (Certificate No. UA2.043.02607-07 dated 26.10.2007)