

# ZINEP®

zinc-rich epoxy primer  
(TU 2312-022-12288779-2000)



Quality management system  
is certified according to  
ISO 9001:2008

## PRODUCT DESCRIPTION:

ZINEP is a two-component, solvent-borne, zinc-rich polyamide cured epoxy primer.

## RECOMMENDED USE:

As an anticorrosive protective coating of structural steel in atmospheric conditions of all climatic regions, types of atmosphere, and category of location according to GOST 15150-69. ZINEP has good resistance to splash and spillage of sea and fresh water, salt solutions, petrol and related products.

It is applied as a primer in coating systems or a single coating.

It is recommended to be used as a primer in coating systems with ALUMOTAN (TU 2312-018-12288779-99), IZOLEP and IZOLEP-mio (TU 2312-050-12288779-2005), POLYTON-UR (TU 2312-029-12288779-2002), POLYTON-UR(UV) (TU 2312-033-12288779-2002) and other coatings based on epoxy, polyurethane, vinyl and vinyl copolymers.

## CERTIFICATES/APPROVALS:

State Registration Certificate No. RU. 66.01.40.231.П.001775.05.08/ 20 May, 2008;  
Registration at RD-GM of the Trust Gidromontazh, MPC №5-145U/05 February 2002;  
Accredited laboratory conclusions of NII LKP with OMZ «Victoriya»; OJSC VNIIZHT;  
OJSC TSNIIS; Institute of Power Resources Transport;

Certificate of IPEE RAN A.N. Severtsov Institute of Ecology and Evolution of the Russian Academy of Sciences (Research and Test Centers in Severomorsk and Sochi, Russia; Nha Trang, Vietnam).

## TECHNICAL DATA:

	Coating	
Colors/Finish		Grey/Flat
Dry film thickness per coat (typical)		40 - 60 microns
Impact resistance, GOST 47-65-73		50 cm, not less
Bend test (cylindrical mandrel), GOST R 52740-2007		10 mm, not more
Adhesion, GOST 15140-78		1 grade, not more
Resistance to dry heat		up to 150 °C
	Primer	
Specific gravity		2.80 – 3.00 g/ml <sup>3</sup>
Non-volatile-matter content (Wt)		84.0 - 87.0 %
Viscosity		thixotropic
Calculated coverage		210 - 310 g/m <sup>2</sup> (40 - 60 microns)
Pot life		12 h (20 °C) , not less
Drying time up to degree No 3 GOST 19007-73 ("touch-dry") at (23±2) °C and (65±5) % RH		210 minutes, not more

## SURFACE PREPARATION:

- Remove oil and grease to achieve degree №2, GOST 9.402-2004;
- Blast slag and rust to achieve degree №2, GOST 9.402-2004 (Sa 2 1/2 or Sa 2, ISO 8501-1:2007);
- For mild exposures, power tool clean St3/St2 is acceptable;
- Clean the surface carefully from abrasive and dust.

## APPLICATION:

---

- Stir the curing agent and base thoroughly;
- Add the total contents of curing agent to base and continue the mixing until a complete uniform color is achieved. The mixing ratio is 5 (curing agent):100 (base) by weight;
- Allow an induction time of 30 minutes after mixing curing agent with base before applying;
- Stir the primer until a complete uniform color is achieved;
- Add recommended thinner to achieve workable consistency if it is necessary;
- The primer is recommended to be used for shop and field painting at the temperature from +10 °C to +40°C and up to 85% RH.
- Every next coat of ZINEP is recommended to be painted after drying of the previous coat up to 'touch-dry';
- Minimum recoating interval to topcoat is 24 h; for IZOLEP and IZOLEP-mio it is 12 h;
- The curing time to exploit in aggressive, corrosive environments is 7 days.

### **Airless spray**

Recommended Thinner	646, 647, 648 up to 5% by weight
Nozzle size	0,015" - 0,021" (0.38 – 0.53 mm)
Nozzle pressure	15 MPa (150 bar)

### **Air spray**

Recommended Thinner	646, 647, 648 up to 5% by weight
Nozzle size	1.8 – 2.2 mm
Nozzle pressure	0.3 – 0.4 MPa (3 - 4 bar)

### **Brush / Roller**

Recommended Thinner	646, 647, 648 up to 5% by weight
---------------------	----------------------------------

### **Equipment cleaner**

646, 647, 648

## STORAGE AND HANDLING:

---

Shipping weight is 25 kg in 20 l cans and 2.5 kg in 3 l cans.

Store in dry, shaded conditions away from sources of heat, moisture and ignition, at the temperature from -40 °C to +40°C; GOST 9980.5-2009.

Guaranteed shelf life in the manufacturer's package units is 12 months from the date of packaging.

## SAFETY PRECAUTIONS:

---

ZINEP has the fourth class of hazard, GN 2.2.5.1313-03. It is necessary to follow all local or national safety regulations. The primer is fire-hazardous.



**VMP RESEARCH & PRODUCTION HOLDING JOINT-STOCK COMPANY (VMP GROUP)**

105, Amundsen St., **Ekaterinburg**, 620016, Russia, tel./fax.: +7 343 267 94 31; 266 09 15;

E-mail: [office@fmp.ru](mailto:office@fmp.ru);

WEB: [www.coldzinc.ru](http://www.coldzinc.ru)

**Moscow**, tel./fax.: +7(495) 955-12-64; 955-12-63; e-mail: [svx@fmp.ru](mailto:svx@fmp.ru)

**St. Peterburg**, tel./fax.: +7(812) 449-48-00; e-mail: [spb@fmp.ru](mailto:spb@fmp.ru)

**Voronezh**, tel.: +7(4732) 20-55-98; e-mail: [zamet@comch.ru](mailto:zamet@comch.ru)

**Novosibirsk**, tel.: +7(383) 205-07-00; e-mail: [alex@stroy-nsk.ru](mailto:alex@stroy-nsk.ru)