

## PRODUCT DESCRIPTION:

ZFES-MO is a two-component, solvent-bone, modified ethylsilicate zinc-rich shop-primer.

## RECOMMENDED USE:

As an anticorrosive protective coating of metal workpieces and assembly details between producing and assembly and in atmospheric conditions of all climatic regions, types of atmosphere, and category of location according to GOST 15150-69.

It is recommended for protection and capsulation of pipe threads.

Metal workpieces and structures with ZFES-MO coating can be cut and welded. One coat film does not influence quality of weld seams. ZFES-MO can be applied on automated painting lines.

Expected durability of 15 - 25 microns coating is about one year.

It is recommended to use in the coating systems with:

- ZINOTAN® (TY 2312-017-12288779-2003), ALUMOTAN® (TU 2312-018-12288779-99), FERROTAN® (TU 2312-036-12288779-2003), POLYTON-UR (TU 2312-029-12288779-2002);
- ZINEP® (TU 2312-022-12288779-2000), IZOLEP®, IZOLEP®-mio (TU 2312-050-12288779-2005), IZOLEP®-mastic (TU 2312-065-12288779-2007);
- Other coatings according to recommendations of VMP GROUP.

## CERTIFICATES/APPROVALS:

Accredited laboratory conclusions of NII LKP with OMZ «Victoriya»

## Технические характеристики

	Coating
Color/Finish	Grey/Flat
Dry film thickness per coat (typical)	15 - 25 microns
Impact resistance, GOST 47-65-73	2 mm, not more
Bend test (cylindrical mandrel), GOST R 52740-2007	50 cm, not less
Adhesion, GOST 15140-78	1 grade, not more
Resistance to dry heat	up to 150 °C
	Primer
Specific gravity	1.87 г/см <sup>3</sup>
Relative viscosity in 15 minutes after mixing according to viscosimeter B3-246 with the nozzle diameter 4 mm at the (20±2) °C, GOST 8420-74	20 - 40 s
Non-volatile-matter content (Wt), %	65 % - 69 %
Pot-life	8 h, not more
Drying time up to degree No 3 GOST 19007-73 ("touch-dry") at (23±2) °C and (65±5) % RH	5 minutes, not more
Calculated coverage	90 - 150 g/m <sup>2</sup> (15 - 25 microns)

## 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);
- Clean the surface carefully from abrasive and dust.

Surface of ZFES-MO coating must be free from oil, grease, rust and other contaminations before applying topcoats.

## APPLICATION:

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- Stir the zinc base thoroughly;
  - Add the total contents of the binder to the zinc base (mixing ratio is 100 (zinc base):14.8 (binder) and continue the mixing until a complete uniform color is achieved.
- ZFES-MO is recommended to be applied for shop and field painting at the temperature from -15 °C to +40°C and from 30 to 80% RH (from 30% to 80% is the best).

### **Airless spray**

Recommended Thinner	not recommended
Nozzle size	0.015 – 0.019" (0.38 – 0.48 mm)
Nozzle pressure	10 - 15 MPa (100 - 150 bar)

### **Air spray**

Recommended Thinner	not recommended
Nozzle size	1.8 – 2.2 mm
Nozzle pressure	0.3 – 0.4 MPa (3 - 4 bar)

### **Brush / Roller**

Recommended Thinner	not recommended
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### **Equipment cleaner**

	P-4, SOLV-ES (TU 2319-080-12288779-2009), 646
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## STORAGE AND HANDLING:

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ZFES-MO is packaged in metal and plastic 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 6 months from the date of packaging.

## SAFETY PRECAUTIONS:

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ZFES-MO has the fourth class of hazard, GOST 12.1007-76. It is necessary to follow all local or national safety regulations.  
Coating ZFES-MO is non-flammable and not toxic; and can be applied indoor.



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