



**Fire-proof expansion  
priming paint  
«Sintego-OZV»**



**TC U 24.6-32803942-009:2007**

The priming paint is a homogeneous thixotropic suspension of pollution-free polymers with stabilizing, rheological and other special additives.

**Spheres of Application and Characteristics:**

- One-compound priming paint «Sintego-OZV» is used for the increasing of fire endurance of steel building constructions.
- According to State Standard B.V. 1.1-4-98 the priming paint provides fire-proof effectiveness group from R30 to R60, depending on the given thickness of metal.
- Fire-proof property of the paint is based on existence of heat-insulating barrier from nanocarbon scam at the high temperature impact on the machined surface. By having such system the material asserts reliable protection of metallic constructions during fire.
- The priming paint has high adhesion to metallic surfaces.
- It is applied by any method of spraying, or with a roller or brush.
- Working life of the coating is 8 years minimum.
- Paint color – grey. The coloring is possible by the request of the customer.

**Technical characteristics**

Name of characteristic and measure unit	Value
Appearance	Paste, thixotropic grey mass free from inclusions
Density, g/cmi	1,15-1,30
Bursting expansion coefficient at 340±5 °C, cmi/g, min.	10
Non-volatile matters content, %, min.	55
pH (index of hydrogen ions activity)	5,5-8,5
Drying time to the degree 3 at 20± 2 °C and thickness of a wet layer 1 mm, h, max.	16
Adhesion, points, max.	1
Paint consumption kg/m <sup>2</sup> , with thickness of a dry layer 1 mm	1,7

The below showed thickness of steel constructions and conditions of the application of the fire-proof expansion priming paint “Sintego-OZV ” for fire endurance from R30 to R60

Item	Fire endurance of steel construction, minutes (hours)	The given thickness of steelwork, mm, min.	The average thickness of dry layer of fire-proof coating, mm, min.

## Enterprise with 100% foreign investment «InterGazSintez»

---

1	R30 (0,5)	3,4	1,87
2	R45 (0,75)	10	1,81
3	R60 (1,0)		2,27

### Application instruction

The priming paint is applied on a sized surface (primer “Sintego EG”, GF-021), free from dust, oils and other contaminations, at +5 eC (min.) and relative humidity 80% max.

If it is required to make the working viscosity of the priming paint it is recommended to water (in the quantity of 10% of the total mass of the paint) with thorough mixing.

Layer drying time is 16 hours at 20 eC, the final drying time of the coating is 24 hours max. at 20 °C. At lower temperatures and high humidity, the drying time may increase.

Every batch of the priming paint is accompanied with the application regulations.

### Package and storage

Packaging is made according to State Standard 9980.3.

Storage is carried out according to State Standard 9980.5 at +5 eC min.

Guarantee storage term of the priming paint – 6 months from the date of manufacture.

### Occupational safety and safety appliances

The priming paint “Sintego-OZV” is an ecologically pure and safe material that does not make ill effect on a person.



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).

UkrSEPRO

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)