



## SOUPLETHANE N5



Two-compound coating of high quality based on polyurethane resin, free from solvents. It is used for anticorrosion protection of metal and concrete surfaces.

### Spheres of Application and Characteristics:

- The coating is used for **anticorrosion protection of construction projects, tanks, containers with chemicals as well as equipment of nuclear power plants.**
- The coating is absolutely hydrophobic that allows to apply it during construction of different waterworks, metal and concrete projects used in salt and sweet water, as well as for flashing of construction projects.
- The coating may be applied with the thickness of 2 mm and more that incredibly increase anticorrosion, waterproofing, chemical and mechanical protection.
- The coating has high adhesion to metal and concrete surfaces and may be used without primer.
- If the coating is applied with thickness of 2 mm on concrete surface, it may remove cracks up to 3,5 mm in width.
- The coating has good resistance to mechanic impacts, jumping temperature as well as ultraviolet rays.
- Absence of solvents and quick curing of the coating allow to short the time of application.
- The coating is repairable.
- Working life of the coating is not less 20 years.

### Technical characteristics

Name of characteristic and measure unit	Value	
Appearance after drying	Homogeneous layer without butts, inclusions, bits and pores	
Solid residue, %	100	
Density, g/cm <sup>3</sup>	1,3	
Gelatination time after mixing of the components at 20 °C, min	23	
Adhesion, Mpa, min.:	With primer	Without primer
To metal	15	7
To concrete	3,5	3
Elongation, %, max.	60	
Tensile strength, Mpa, min.	20	
Shore hardness, units	A95	
Resistance to compression, Mpa, min.	113	
Resistance to corrosion, pH	from 1 to 13	
Resistance to salt spray, hour, min.	2000	

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Permeability to chlorides, coulombs, max.	6
Permeability to water	absent
Resistance to back pressure, Mpa	1
Resistance to thermal impacts, °C	from -50 to +130
Recommended thickness of the layer, mcm	from 200 to 2000
Material consumption with thickness of the layer 1000 mcm, kg/m <sup>2</sup>	1,3

### Application instruction

The coating is applied on previously prepared surface according to ISO 8501-1 (up to the degree Sa 2½ or to St3) by airless spraying with high pressure (180-200 bar) as for two-compound systems. The mixing ration of the base and a hardener is 3:1 by volume. The working temperature of the main component is +35°C and of the hardener - +20°C. It may be also applied with a roller or a brush by taking into account pot life of the coating. Recommended quantity of the layers depends on the level of the surface protection. Recommended primer for metal surfaces is P111 PRIMER, for concrete surfaces – P201 PRIMER.

### 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 coating application, follow precautions recommended during the working with polyurethane materials and isocyanate hardeners. .

It 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).

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)