



Thermo-insulating coating «Sintego-TC»



TC U 24.3-32803942-008:2006

«Sintego-TC» is a suspension of special high technological additives in silicone-acryl binding agent that after drying forms thermo-, hydro-, noise insulation coating.

Spheres of Application and Characteristics:

- The coating is used for pipelines, steam lines, facades of living quarters and working facilities, tanks insulation.
- The coating allows to decrease the costs of heating, remove moisture condensation on metallic and concrete surfaces, protect the staff of burn.
- It allows efficiently to replace traditional heat, hydro, noise insulation materials.
- The coating is applied on metallic, brick, concrete, wood and other surfaces by any method of spraying, by a roller, by a brush.
- It works within -50 up to +260 °C.
- The coating is repairable.
- The coating has high steadiness to wearing-off and ultra-violet rays, water, brine impacts.
- It has high adhesion to surfaces, influenced by abruptly changed weather conditions and mechanic stress.
- Working life of the coating – 10 years minimum.
- Coating color – white, yellow, dark blue, blue, red. Coloring is possible by the request of the customer.

Technical characteristics

Name of characteristic and measure unit	Value
Appearance	A movable plastic ticsotropical suspension
Coefficient of heat conductivity at 20 °C, watt/(m·C)	0,004-0,09
Coating density in liquid state, kg/m ³ , max.	585
Vapour permeability resistance, m ² hPa/mg	0,25-0,49
Non-volatile matters content, %, min.	35
Surface water absorption after 24 hours, kg/m ² , max.	0,3
Bond resistance at break, MPa, min.: – with metal – with brick – with concrete	0,4 0,4 0,4
Static impact resistance at 20°C, h, min.: – water – 3% alkali solution – 5% acid solution	48 24 24
Index of hydrogen ions activity (pH)	6,5-9,5
Vapour permeability index (depending on the layer thickness), mg/(m·hour·Pa)	0,001-0,006

Enterprise with 100% foreign investment «InterGazSintez»

Thickness of one coating layer, mm	0,4-0,6
Time of layer drying at 20 °C, h, min.	8
Paint consumption with thickness of dry layer 1 mm, kg/mI	0,32-0,38

Application instruction

Before coating application, it must be thoroughly mixed with not quick speed as it may cause the destruction of thermo-insulating components. When a drill is used for mixing, the rotating speed must not exceed 300 rotation per minute. The mixing must continue up to the existence of homogeneous mixture free from blobs and nubbins (during long-term storage, a little layering may occur).

The coating must be applied on dry, clean and previously primed surface.

Package and storage

Packaging is made according to State Standard 9980.3.

Storage is carried out according to State Standard 9980.5.

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

Occupational safety and safety appliances

The coating is an ecologically pure and safe material that does not make ill effect on a person.
экологически чистый и безопасный продукт, не оказывает вредного влияния на человека.



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)