GOST CERTIFICATION SYSTEM
Test center «BGTU-Sertis»
308012 Russia, Belgorod, Kostyukova str., 46

Pro-rector for Research
of BSTU named after V.G. Shukhov
_____ E.I. Evtushenko
«___» _____ 2016.

Accreditation Certificate
№ ROSS RU.0001.22SL25
of September 17, 2012.
Valid until
September 17, 2017.

TEST PROTOCOL № 119
June 16, 2016.

Customer name: LLC «Omega», 308001, Belgorod, Grazhdansky avenue, 4, office 30.

Presenter of samples: director of LLC «Omega» A.V. Zapara.

Sample date: 15.05.2016. Sampling certificate of 15.05 2016.

Product name: Liquid heat-insulating energy-saving coating «PROTERM».

Sampling area: finished product store.

Samples description and identification: Liquid heat-insulating energy-saving coating «PROTERM» - modifications: Standard, Façade, Biocide, Anticor, Antipyrene.

Samples testing date: 15.05.2016-15.06.2016.

The tests were conducted for compliance with requirements: in physical and mechanical and thermal characteristics.

Test methodology: GOST 4765-73 «Paintwork materials. Method for determination of impact resistance», GOST 1514078. «Paintwork materials. Methods for determination of adhesion», GOST 28574-90 «Corrosion protection in construction. Concrete and reinforced concrete constructions. Methods of the protection covers adhesion testing», GOST 18299-72. «Paintwork materials. Method for determination of tensile strength, relative elongation at tear and modulus of elasticity», GOST 6806-73 «Paintwork materials. Method for determination of film elasticity under bending», GOST 17537-72 «Paintwork materials. Methods for determination of the content of volatile and non-volatile matters, solid and film-forming materials», GOST 21903-76 «Paintwork materials. Methods for determination of nominal light-resistance», GOST 2678-94 «Rolled roofing and waterproof materials. Methods of testing». GOST 30244-94. «Building materials. Methods for combustibility test». GOST 7076-99. Building materials and products. Method of determination of steady-state thermal conductivity and thermal resistance».

The test results are presented in Appendix: №1 (four pages).

Deputy Director
of «BGTU-Sertis» test center D.M. Sopin

TEST RESULTS

Liquid heat-insulating energy-saving coating «PROTERM»

Test means. U-1 unit. Metal ruler. Razor blade. Flat paint brush. Glue. Concrete plates. Metal plates. Universal testing machine. Cylindrical rods of various diameters. Magnifying glass. Drying cabinet. Aluminum cups. Laboratory scales. Exsiccator. Stop-watch timer. Electric stove. Water vessel. Metal container. Filter paper.

Table №1 – Determinations of physical and mechanical properties of liquid heat-insulating energy-saving coating «PROTERM»

№	Parameter name		Measuring unit	Measuring technique	Numeric value of a parameter	
					«PROTERM» modification Antipyrene	«PROTERM» modifications Standard, Façade, Biocide, Anticor
1	Adhesion to metal		Grade	GOST 15140-78	1	1
2	Water sorption, by weight	1 minute	%	GOST 2678-94	54,9	45,1
		3 days			71	74
3	Flexural resilience		mm	GOST 6806-73	14	14
4	Tensile strength		MPa	GOST 18299-72	0,3	0,3
5	Adhesion to concrete surface		MPa	GOST 28574-90	1,28	1,33
6	Impact strength		cm	GOST 4765-73	3	3
7	Weight content of substances	volatile	%	GOST 17537-72	15,48	14,35
		non-volatile			84,52	85,65
8	Resistance of the coating to temperature 220°C above zero within 3 hours		-	GOST 30244-94 Method 2.	The coating is flat and matt, without cracks, boils or peelings	
9	Nominal light-resistance of the coating		hours	GOST 21903-76 Method 3.	48	

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