

Product Data Sheet **ISOLLAT-A**

FEATURES: • High resistance to water. • Works great on roofs and metal structures • high heat-insulated • sound-proofing properties • excellent adhesion on any substrate • good anticorrosive protection • water vapour permeability • flexibility • attractive appearance • wide range of temperature on coated surface from -45 to +170°C • highly resistant to ultraviolet radiation of sun rays	NAME: ISOLLAT-A
	TYPE: "Isollat-A" is universal insulating material with properties of high elasticity and low water absorption ability. Used for integrated thermal insulation and anticorrosion protection of metal roofs, external power supply wires, different modes of transport, industrial boiler and vessel equipment, elements of pipeline systems exposed to water with the temperature of the heat courier up to + 150° c in peak mode up to + 170° c.
	SHIPPING WEIGHT 12 kg – 19 litre 6 kg – 10 litre 3 kg – 5 litre

SPECIFICATION DATA

CHARACTERISTIC	VALUE
TYPE	Water-based acrylic coating
COLOR	White with possibility of light colored
APPARENT VISCOSITY	50,000-80,000 sP (Rotor R4, 10 rpm)
DRY FILM WEIGHT	0,15 kg/m ² at 0.5 mm
SOLAR LIGHT REFLECTIVITY	0.8

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CHARACTERISTIC	VALUE
AVERAGE DRY FILM THICKNESS	0.5 mm per coat
CONSUMPTION OF ONE LAYER	0.55 liter/m ² per one layer
NUMBER OF COATS	no less than 2
APPLICATION METHOD	Airless sprayer for high-viscous paints ; brush
COMPLETE CURING TIME AT 20°C	20 hours
WATER ABSORBENCY , %	2
ADHESION TO METAL	1 mark
ADHESION TO CONCRETE	7 kg/cm ²
RESISTANCE OF COATINGS TO THE EFFECTS OF TEMPERATURE DIFFERENCE FROM -40° C TO + 60° C	sustainably
THE ABRASION RESISTANCE OF COATINGS	1.2
WHITENESS (BRIGHTNESS) COATINGS (TO REFLECT 0/45 ANGLE GEOMETRY)	87.0
CONTAINER	Approx. 12. kg (19 liters)
SHELF LIFE	1 year from production date when stored indoors in unopened, or original containers at 5 to 20°C

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STORAGE AND TRANSPORTATION

Store and transport liquid ceramic coating Isollat-01 in a cool (but not cold) place, in tightly closed (sealed) containers, at ambient air temperature of **+5°C minimum**.

APPLICATION INSTRUCTION

1. Remove old peeled-off coating and dirt from the surface to be coated (this operation shall be done mechanically, using metal brushes, doctor blade, roller cutters or scrapers), and degrease the surface. 2. Before use or after a break in application, stir Isollat liquid ceramic coating thoroughly. It is recommended to stir Isollat coatings at stirring head rotation speed of 100 – 150 RPM maximum. 3. Application by a painting brush Prior to the first application of Isollat coating, wet the brush with water and shake off excess water. During further procedures, wet the brush only when it becomes dry. It is recommended to wet the brush only for convenient application of the coating, so that the coating is even and smooth and do not roll up on the hot surface, because the coating is rather dense. 4. Application by airless high-pressure spray gun (type ST MAX Graco-495, ST MAX Graco-595, Ultra Max Graco-695,	Ultra Max Graco-795, Graco Mark-V, Graco 1095 etc.) at operating pressure of 40 to 80 bar. Recommended nozzle sizes : 521-527. Select the lowest possible operating pressure in the spray gun in order to prevent damage to the spheres during application. 5. Time required for thorough drying of coatings Isollat-01, at a temperature of +20°C minimum varies depending on air humidity: • At relative humidity of 50% or lower, complete drying takes 6 hours at relative humidity of over 50%, complete drying takes 12 hours. • At ambient temperature of over +40°C, time for the drying-up of 1 layer may be reduced to 2 hours. DRYING TIME – Rate of drying is dependent on temperature, humidity and ventilation.
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FLOW RATE OF THE COATING

Thickness of coating layer, mm	Manual application, a litre	Application with a producer-that airless spraying, litre	With overspending	
			Manual application, a litre	Application with a producer-that airless spraying, litre
1	1	1	1,15	1,3
2	2	2	2,3	2,6
3	3	3	3,45	3,9
4	4	4	4,6	5,2

RESISTANCE

Isollat-A has excellent resistance to weathering and ultraviolet exposure. Isollat has good resistance to mild alkalies, dilute acids, salt solutions.

APPROVALS AND CERTIFICATES

Complies with TU 2216-001-59277205-2002 (Technical Conditions). Approved and registered to Russian Federation.