

Product Data Sheet **ISOLLAT-M**

FEATURES: • 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 -60 to +170°C • highly resistant to ultraviolet radiation of sun rays	NAME: ISOLLAT-M
	TYPE: multi-purpose insulating material with cold-resistant components. Can be transported and used in at subzero temperatures. Used for complex thermal insulation and corrosion protection of land, rail, water transport, industrial, and boiler vessels, piping elements, with water temperature to +150 °C in the peak mode to +170 °C.
	SHIPPING WEIGHT 11.5 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	29 000-33 000 sP (Rotor R4, 10 rpm)
DRY FILM WEIGHT	0,15 kg/m ² at 0.5 mm
SOLAR LIGHT REFLECTIVITY	0.8
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; airbrush.

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CHARACTERISTIC	VALUE
COMPLETE CURING TIME AT 20°C	20 hours
CONTAINER	Approx. 11.5 kg (19 liters)
SHELF LIFE	1 year from production date when stored indoors in unopened, or original containers at 5 to 20°C

STORAGE AND TRANSPORTATION

Store liquid ceramic coating Isollat-M in a cool place in tightly closed containers at ambient air temperature of **+5°C minimum**.

It is allowed to transport at temperatures below zero degrees Celsius (to – 15°C)

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-M, at a temperature of +20°C 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 at temperature -15 °C depends on humidity wind and the object of application. Specification for each object can be obtained from our specialists
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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-M has excellent resistance to weathering and ultraviolet exposure. Isollate 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.