

## Product Data Sheet *ISOLLAT-04*

<b>FEATURES:</b> <ul style="list-style-type: none"> <li>• high-temperature insulation;</li> <li>• incombustible;</li> <li>• universal on complex objects;</li> <li>• excellent adhesion on any substrate;</li> <li>• good anticorrosive protection;</li> <li>• wide range of temperature on coated surface from 60 to +800C;</li> <li>• resistant to ultraviolet radiation of sun rays</li> <li>• <b>used in combination with other materials.</b></li> </ul>	<b>NAME:</b>  <h1>ISOLLAT-04</h1>
	<b>TYPE:</b> insulating material based on inorganic, intended for use on high temperature surfaces. Can be used for thermal insulation of steam lines, chimneys and gas flues, industrial equipment for various purposes with heat carrier temperature up to + 700°C, in the peak mode up to +800°C (when using Isollat-Effect combined coating).
	<b>SHIPPING WEIGHT</b> 18 kg – 19 litre 9.5 kg – 10 litre 4.75 kg – 5 litre

### SPECIFICATION DATA

CHARACTERISTIC	VALUE
TYPE	High-temperature coating
COLOR	Beige
APPARENT VISCOSITY	3000-10000 sP (Rotor R4, 6 rpm)
DRY FILM WEIGHT	0.6 kg/m <sup>2</sup> at 0.5 mm
EXTERNAL PROTECTION AGAINST WATER	Must be covered with Isollat-02
AVERAGE DRY FILM THICKNESS	0.5-0.7 mm per coat
CONSUMPTION OF ONE LAYER	0.6-0.8 liter/m <sup>2</sup> per one layer
NUMBER OF COATS	ONE and more
APPLICATION METHOD	Airless sprayer for high-viscous paints ; brush; GRACO TEXTURE HOPPER GUN

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CHARACTERISTIC	VALUE
COMPLETE CURING TIME AT 200°C	15 min
CONTAINER	Approx. 18 kg (19 liters)
SHELF LIFE	1/2 year (6 months) from production date when stored indoors in unopened, or original containers at 5 to 20°C

### STORAGE AND TRANSPORTATION

Store liquid ceramic coating Isollat-04 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 – 10°C )**

### APPLICATION INSTRUCTION

<ol style="list-style-type: none"> <li>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.</li> <li>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 (450 RPM maximum.)</li> <li>3. <b>Application by a painting brush</b> 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.</li> <li>4. <b>Application by airless high-pressure spray gun</b> (type ST MAX Graco-495, ST MAX Graco-595, Ultra Max Graco-695,</li> </ol>	<p>Ultra Max Graco-795, Graco Mark-V, Graco 1095, etc.) at operating pressure of 100 to 150 bar. Recommended nozzle size 557. Select the lowest possible operating pressure in the spray gun in order to prevent damage to the spheres during application.</p> <ol style="list-style-type: none"> <li>5. <b>Application by GRACO TEXTURE HOPPER GUN and analogues</b> Nozzles from 4 to 12 mm pressure 4-8 bar</li> <li>6. <b>The drying time of the coating depends on the surface temperature</b> 20 C - 20 hours; 60C - 5 hours; 120 C - 30 minutes; 200 C and more - 15 minutes * Every project application Isollat-04 is recommended to coordinate with our specialists to choose the best solution and the way of using this material.</li> </ol> <p><b>Isollat-04 is typically used in combination with other materials.</b></p>
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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	1,2	1,5
2	2	2	2,4	2,7
3	3	3	3,6	4,1
4	4	4	4,8	5,5

### APPROVALS AND CERTIFICATES

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