



## TRIO THERM 3700 Acrylic thermal insulation material

<b>DESCRIPTION:</b>	One-component acrylic thermal insulation material.															
<b>TYPE AND RECOMMENDED USE:</b>	The material is intended for thermal insulation of pipelines, technological units and equipment to prevent heat leaks and/or protect personnel, as well as to protect steel and concrete structures and elements of technological schemes from cryogenic spillage. It can be used as an independent thermal insulation coating with sound-insulating properties, as part of anticorrosive coating systems and combined structural fire protection systems operated at temperatures from minus 40 to plus 70 °C.															
<b>PHYSICAL CONSTANTS:</b>																
<b>Colour:</b>	White.															
<b>Volume solids:</b>	75 ± 5 %															
<b>Coefficient of thermal conductivity:</b>	0,08 W/m·K															
<b>Film thicknesses:</b>	The thickness of the material layer depends on the requirements for thermal insulation. (For more information, contact the company "O3-Coutings"). When applied by airless spraying, the maximum thickness of the wet film (WFT) in one pass is 2000 microns, which corresponds to a dry film thickness (DFT) of 1500 microns.															
<b>Drying times:</b>	<table border="1"><thead><tr><th colspan="5">Drying times for 1500 microns DFT</th></tr><tr><th>Substrate temperature</th><th>5 °C</th><th>10 °C</th><th>20 °C</th><th>30 °C</th></tr></thead><tbody><tr><td>To recoat</td><td>12 hours</td><td>8 hours</td><td>6 hours</td><td>4 hours</td></tr></tbody></table> <p>Drying time is thickness dependent. These figures are given as a guide only. Factors such as air movement and humidity must also be considered.</p>	Drying times for 1500 microns DFT					Substrate temperature	5 °C	10 °C	20 °C	30 °C	To recoat	12 hours	8 hours	6 hours	4 hours
Drying times for 1500 microns DFT																
Substrate temperature	5 °C	10 °C	20 °C	30 °C												
To recoat	12 hours	8 hours	6 hours	4 hours												
<b>SURFACE PREPARATION:</b>	This material should be applied on prior prepared and primed surface. Ensure surfaces to be coated are clean, dry and free from all surface contamination, with a temperature at least 3°C above the dew point. Typical surface preparation includes cleaning, degreasing (if necessary), salt removing (if necessary) and dust removing from primed surface.															
<b>APPLICATION DETAILS:</b>																
<b>Material preparation:</b>	The material is one-component, supplied in Containers. Before use, the material must be kept for at least 24 hours at a temperature not lower than plus 15 ° C and not higher than plus 25 ° C. Before applying, mix the material to a homogeneous consistency. Application should begin immediately after mixing.															
<b>Application method:</b>	Airless Spray / Manual application.															
<b>Thinner:</b>	Not recommended.															
<b>Nozzle size:</b>	.019"- .025"															

# Technical Data Sheet



<b>Operation pressure:</b>	(200-215) bar.
<b>Cleaning of tools:</b>	TRIOSOLV 0003 (it is allowed to use other thinners after consultation with LLC «O3-Coatings»).
<b>Application conditions:</b>	Should be applied at temperatures above -10 °C; Relative humidity: 85% maximum; (In confined spaces provide adequate ventilation during application and drying).
<b>STORAGE:</b>	24 months from the date of manufacture. It is recommended to store in a dry, dark place in a sealed factory packaging at a temperature of minus 30 ° C to plus 30 ° C, avoid direct exposure to precipitation, UV rays and other heat sources.
<b>RECOMMENDED SYSTEMS:</b>	
<b>Primer:</b>	TRIOCOR PRIMER 1100; TRIOCOR MASTIC 4500 or other primers in accordance with fire safety certificates.
<b>Topcoat:</b>	TRIOCOR FINISH 5500 or other enamels in accordance with fire safety certificates.
<b>PACKAGE:</b>	20 kg net weight.
<b>HEALTH AND SAFETY:</b>	Refer to the Safety Data Sheet before use.