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## PRODUCT DATA SHEET

**PRODUCT:** **MONDIALTERMIC 500**  
**Silicone heat-resistant coating**

**CODE:** **COMP. A 292P9099E**  
**COMP. B -**

**PRODUCT DESCRIPTION:** Resistance to temperature up to 500 ° C, minimum color and appearance change. For maximum heat resistance should be applied directly to metal. To achieve immediately maximum strength and chemical resistance, it is necessary to cook the manufactured article at a temperature of 200 ° C for 30 minutes.

**SURFACE PREPARATION:** On sandblasted surfaces apply to almost white metal (2.5), perfectly free of oil, grease, dust, moisture or any other contaminant.

**APPLICATION METHODS:** Spray. Brush or roller don't grant an uniform coverage, use these techniques only on retouch or small surfaces.

<b>APPLICATION INSTRUCTIONS:</b>	<b>CONVENTIONAL SPRAY LOW PRESSURE PUMP</b>		<b>AIRLESS AIRMIX</b>	
	Nozzle diameter (mm)	<b>1,3÷1,5</b>	Pressure ratio	<b>28:1</b>
Product pressure (Atm)	<b>0,7÷1,4</b>	Nozzle diameter (inch)	<b>0,013÷0,019</b>	
Air pressure	<b>3,5÷4,5</b>	Product pressure (Atm)	<b>110,0÷160,0</b>	



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## TECHNICAL DATA:

	<b>Evaporation of the solvent and heat-curing</b>
Mechanism of hardening	
Specific weight (kg / l) *	<b>1,1 (±3%)</b>
Volume solids (%) *	<b>21,7 (±2%)</b>
Medium dry film thickness (microns)	<b>20</b>
Correspondence wet film thickness (microns)	<b>92</b>
Yield to the average or recommended thickness (m <sup>2</sup> / kg) *	<b>9,8</b>
Consumption at the average or recommended thickness (Kg / m <sup>2</sup> ) *	<b>0,102</b>
Touch dry at 25 ° C (min)	<b>30</b>
Recoat time min. recommended 25 ° C (hours)	-
Recoat time max. recommended 25 ° C (days)	-
Hard dry at 200 ° C (minutes)	<b>30</b>
Recommended application temperature (° C)	<b>+5 ~ +40</b>
Maximum operating temperature (° C)	<b>500</b>
Thinner	<b>6060020</b>
Aspect of the film	<b>matt</b>
Color	<b>Black</b>
Storage in suitable conditions (months)	<b>12</b>

N.B.

\* Data referred to colour black. The solid content values, specific weight and yield were calculated with theoretical method. Thickness and performance are indicative, in fact vary greatly depending condition of substrate, absorption, porosity, surface irregularities and application method.



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#### ADDITIONAL INFORMATION:

This is a one-component product. Vigorously mix the product for a few minutes with appropriate instruments and characterized by sufficient size, in order to ensure the complete homogeneity. Where possible it is preferable to use a mechanical stirrer. The temperature of the surface to be treated must be at least 3° C higher than the ambient temperature. If this condition is not met the resulting condensation, not always visible, may easily lead to phenomena of non-adherence. It is recommended to implement all necessary measures (development of equipment for painting, using any thinner retardant-wetting thinner, position yourself upwind, proper progression of the surfaces to be painted) to prevent the accumulation of dust coating, which often causes inhomogeneity of the film.

#### IMPORTANT NOTE

All information contained in this form are the result of laboratory tests carried out under controlled conditions and well-defined and / or correspond to our most advanced and current technical and practical knowledge. this does not exempt the customer, given the variability of environmental conditions and personal systems of application, from carrying out their own investigations and to make their own eligibility checks. Mondial Color assumes no responsibility for any damage caused by improper use of the product. The values of specific weight, solids by volume and yields were calculated by theoretical methods. This sheet supersedes the previous editions.