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## PRODUCT DATA SHEET

**PRODUCT:** **DELUXE TC MATT**  
**High-performances two-component clear topcoat**

**CODE:** **COMP. A C48501 DELUXE TC MATT**  
**COMP. B 9100006 - CAT.POLIURET.ALIFATICO HQ 06**

**PRODUCT DESCRIPTION:** Two-component scratch resistant coating, formulated to guarantee, even at low thickness (~ 10µm), a surface protection resistant to scratching and continuous abrasion. It is resistant to organic solvents, moderately acidic and basic substances, to alcohol-based formulations while maintaining its own surface characteristics unchanged. The high transparency, the low thickness, the surface hardness combined with an excellent flexibility make it extremely suitable to be used as final protection for valuable objects, where it is not desirable to obtain the typical "lens" effect of traditional transparent finishes and the aim is to increase the surface resistances of the whole system.

**SURFACE PREPARATION:** DELUXE TC MATT is applied on surfaces already primed, rigorously dry, clean, perfectly free of oil, grease, dust, moisture or other contaminants.

**APPLICATION METHODS:** Preferred application is spray.

<b>APPLICATION INSTRUCTIONS:</b>	<b>CONVENTIONAL SPRAY LOW PRESSURE PUMP</b>		<b>AIRLESS AIRMIX</b>	
	Nozzle diameter (mm)	<b>0,8÷1,2</b>	Pressure ratio	<b>15:1</b>
Product pressure (Atm)	<b>1÷1,7</b>	Nozzle diameter (inch)	<b>0,013÷0,017</b>	
Air pressure	<b>2,5÷4,0</b>	Product pressure (Atm)	<b>60÷150</b>	



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## TECHNICAL DATA:

	<b>Evaporation of the solvent and chemical reaction</b>
Mechanism of hardening	
Specific weight (kg / l) *	<b>1 (±3%)</b>
Volume solids (%) *	<b>37 (±1%)</b>
Medium dry film thickness (microns)	<b>15 ± 5</b>
Correspondence wet film thickness (microns)	<b>41</b>
Yield to the average or recommended thickness (m <sup>2</sup> / kg) *	<b>25</b>
Yield to the average or recommended thickness (m <sup>2</sup> / lt) *	<b>25</b>
Consumption at the average or recommended thickness (Kg / m <sup>2</sup> ) *	<b>0,04</b>
Consumption at the average or recommended thickness (lt / m <sup>2</sup> ) *	<b>0,04</b>
Passivation time at 25 ° C (min)	<b>10 ± 5</b>
Hard dry at 80 ° C (minutes)	<b>30 ± 5</b>
Hard dry at 25 ° C (days)	<b>7</b>
Recommended application temperature (° C)	<b>+5 ÷ +40</b>
Maximum operating temperature (° C)	<b>115</b>
Recoat time max. recommended 25 ° C (months)	<b>1</b>
Pot life at 25 ° (hours)	<b>6</b>
Mixing ratio by weight	<b>50</b>
Mixing ratio by volume	<b>50</b>
Thinner	<b>6060020</b>
Dilution (% weight)	<b>35% ± 5</b>
Aspect of the film	<b>5-10GU(@60°)</b>
Color	<b>Clear</b>
Storage in suitable conditions (months)	<b>12</b>

N.B.

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



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#### ADDITIONAL INFORMATION:

This is a two-component product. Before mixing the two components it is recommended to homogenize the component possibly with agitator and shake vigorously, possibly without opening, the packaging of component b. After mixing and addition of appropriate thinner, agitation should be continued until it became homogeneous. In order to use the correct mix ratio, necessary to obtain the best results, we recommend to catalyse only entire packs. In case you want to use only a portion of the pack, you should equip with adequate precision scale for catalysis by weight and appropriate sized containers for catalysis by volume. The pot life (time of use after catalysis) is significantly reduced by increase of temperature. The ideal temperature for application is between 5° C and 40° C.

#### 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. This sheet supersedes the previous editions.