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## PRODUCT DATA SHEET

**PRODUCT:** **SMALTO 2K TRASP. AD ACQUA**  
**Two-component waterborne polyacryl topcoat**

**CODE:** **COMP. A D/0529**  
**COMP. B 9200020 - CAT.IDRODUR 75**

**PRODUCT DESCRIPTION:** Valuable acrylic-aliphatic finish, not yellowing, with high cross-linking density. The product is a waterborne two-component with very high performances, such as resistance to light, scratch and impact. It has excellent adhesion on a wide range of plastic materials, i.e ABS, PC and thermosetting polymers such as polyepoxidic and polyesters. This product allows an easy applicability and an homogeneous spreading and uniformity, generating a compact film able to guarantee an easy cleaning and a low propensity to retain impurities and dust.

**SURFACE PREPARATION:** The product must be applied strictly on dry surfaces, clean, perfectly free of oil, grease, dust, moisture or other contaminants. Specific cleaning operations must be studied according to customer criteria.

**APPLICATION METHODS:** Spray.

<b>APPLICATION INSTRUCTIONS:</b>	CONVENTIONAL SPRAY LOW PRESSURE PUMP	AIRLESS AIRMIX	
	Nozzle diameter (mm)	<b>1,2÷1,8</b>	Pressure ratio
Product pressure (Atm)	<b>0,8÷1,2</b>	Nozzle diameter (inch)	<b>0,07÷0,09</b>
Air pressure	<b>2,5÷3,5</b>	Product pressure (Atm)	<b>80÷150</b>



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## TECHNICAL DATA:

Mechanism of hardening	
Specific weight (kg / l) *	1,045 (±1%)
Volume solids (%) *	42 (±1%)
Solids by weight (%) *	46 (±1%)
Max. dry film thickness per layer (microns)	45
Correspondence wet film thickness (microns)	165
Yield to the average or recommended thickness (m <sup>2</sup> / kg) *	9
Yield to the average or recommended thickness (m <sup>2</sup> / lt) *	10,2
Touch dry at 25 ° C (min)	45
Recoat time min. recommended 25 ° C (min)	60
Hard dry at 25 ° C (hours)	24
Maximum operating temperature (° C)	160
Recommended application temperature (° C)	+10 ~ +40
Pot life at 25 ° (hours)	1,5
Mixing ratio by weight	35%
Thinner	<b>Demineralized water</b>
Maximum dilution (% weight)	10%
Aspect of the film	Clear
Color	n.d.
Storage in suitable conditions (months)	12
Special warnings	<b>Protect from frost</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 indicative, in fact vary greatly depending condition of substrate, absorption, porosity, surface irregularities and application method. Data referred to the mixture of component A + 35% by weight of Comp.B



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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. Please note that the catalyst IDRODUR 75 is sensitive to water and we recommend to avoid contact. The varnishing products, for their specific nature, can not be applied to dry thicknesses greater than 70 microns as the hardening reaction generates carbon dioxide and that gas must be able to get out of the film: at higher thickness it remains trapped, generating surface imperfection. If you want to get higher thickness you have to apply several coats waiting for a convenient drying time between them.

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#### **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.

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