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PRODUCT DATA SHEET

PRODUCT: **ISOACRIL K03**
Two-component acryl-polyurethane topcoat

CODE: **COMP. A 370 ISOACRIL K03**
COMP. B 9100002 - CAT. POLIURETANICO ALIFATICO 02

PRODUCT DESCRIPTION:

Valuable acrylic polyurethane finish to be crosslinked with aliphatic non-yellowing catalyst. It offers all the features of a car body finish such as aging resistance, UV stability, gloss retention, resistance to impact, abrasion, scratch and amazing flexibility. Due to its excellent chemical resistance, this product is suitable for marine service and aggressive industrial atmosphere, it is employed in all cases where it is required a long lasting finish. A layer of 40-60 microns ISOACRIL applied on 80-100 micron ISOPRIMER or products of EPORUST series, grants a corrosion protection of more than 1500 hours in salt spray test; If this cycle is applied on zinc epoxy or inorganic test resistance goes up to 2000 hours. The ISOACRIL applied on ISOPRIMER allows you to perform the technique "wet on wet." The product could be used in painting cycles when the specifications of the ISO 12944-5 standard are required, up to category C5-h.

SURFACE PREPARATION:

Recommend to primer with EPORUST, ISOPRIMER series or EPOPAINT 750. On different surface the application must be evaluated case-by-case. Before the application it is recommended to accurately remove the residual rugosity on the primer. The product must be applied strictly on dry surfaces, clean, perfectly free of oil, grease, dust, moisture or other contaminants.

APPLICATION METHODS:

Spray, brush or roll. Preferred application is airless spray. Brush or roller don't grant an uniform coverage, use these techniques only on retouch or small surfaces.

APPLICATION INSTRUCTIONS:

CONVENTIONAL SPRAY LOW PRESSURE PUMP		AIRLESS AIRMIX	
Nozzle diameter (mm)	1,4÷1,8	Pressure ratio	15:1
Product pressure (Atm)	1,0÷1,7	Nozzle diameter (inch)	0,013÷0,017
Air pressure	2,5÷3,5	Product pressure (Atm)	60,0÷150,0



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TECHNICAL DATA:

	Evaporation of the solvent and chemical reaction
Mechanism of hardening	
Specific weight (kg / l) *	1,164 (±8%)
Volume solids (%) *	54,2 (±1%)
Medium dry film thickness (microns)	40
Correspondence wet film thickness (microns)	74
Yield to the average or recommended thickness (m ² / kg) *	11,6
Yield to the average or recommended thickness (m ² / lt) *	13,5
Touch dry at 25 ° C (min)	90
Recoat time min. recommended 25 ° C (hours)	4
Recoat time max. recommended 25 ° C (days)	-
Hard dry at 25 ° C (hours)	48
Recommended application temperature (° C)	+5 ~ +35
Maximum operating temperature (° C)	115
Pot life at 25 ° (hours)	6
Mixing ratio by weight	25%
Mixing ratio by volume	25%
Thinner	6060020 6060010
Dilution (w/w %, for airless application)	10%Max
Aspect of the film	glossy
Color	On request
Storage in suitable conditions (months)	12

N.B.

* Data referred to colour white. 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 mixture of component A + 25% 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. The ideal temperature for application is between 5° C and 40° C. The temperature of the surface to be treated must be at least 3° C higher than dew point. If this condition is not met the resulting condensation, not always visible, may easily lead to phenomena of non-adherence. The coating requires a period of 7-8 days at 25° C for complete curing. After about 5 days from application, the adhesion of subsequent coats is not guaranteed. Therefore, if you need to over-paint it, it may want to lightly abrade the surface. 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 if not removed 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. This sheet supersedes the previous editions.
