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PRODUCT DATA SHEET

PRODUCT: **ISOSILACRIL**
Two-component acryl silicone topcoat

CODE: **COMP. A 383**
COMP. B 9100005 - CAT. POLIURETANICO ALIFATICO 05

PRODUCT DESCRIPTION:

Finish based on hydroxylated acrylic-silicone resins, catalysed with non-yellowing aliphatic isocyanate. This unique formulation gives the product, in addition to the direct adhesion to inorganic zinc (as expected from the cycle B Danieli) temperature resistance, aging resistance of UV rays, high gloss retention, impact resistance, abrasion, scratch and a amazing flexibility. This product can also be applied at high thickness by drying in depth enabling a rapid handling and packaging. Given the excellent chemical resistance it is suitable for marine service and aggressive industrial atmosphere. Used in all cases where it is required a long-term heat resistant finish.

SURFACE PREPARATION:

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)	1,5÷2,0	Pressure ratio	30:1
Product pressure (Atm)	1,0÷1,7	Nozzle diameter (inch)	0,011÷0,015
Air pressure	2,5÷3,5	Product pressure (Atm)	130,00÷200,00



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TECHNICAL DATA:

	Evaporation of the solvent and chemical reaction
Mechanism of hardening	
Specific weight (kg / l) *	1,46 (±8%)
Volume solids (%) *	55,4 (±1%)
Medium dry film thickness (microns)	40
Correspondence wet film thickness (microns)	72
Yield to the average or recommended thickness (m ² / kg) *	10,2
Yield to the average or recommended thickness (m ² / lt) *	14,9
Touch dry at 25 ° C (min)	90
Recoat time min. recommended 25 ° C (hours)	6
Recoat time max. recommended 25 ° C (days)	6
Hard dry at 25 ° C (hours)	48
Recommended application temperature (° C)	+5 ~ +40
Maximum operating temperature (° C)	300
Pot life at 25 ° (hours)	4
Mixing ratio by weight	20%
Mixing ratio by volume	25%
Thinner	6060010
Aspect of the film	satin
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 indicative, in fact vary greatly depending condition of substrate, absorption, porosity, surface irregularities and application method. Data referred to the mixture of component A + 25% by volume of Comp.B Close to max operating temperature, some shades may suffer aesthetic variations.



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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 30° 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. Carefully remove any accumulated roughness prior to the application of subsequent coats. 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. Some colors when exposed to elevated temperatures starts browning without compromising product performance.

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.