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PRODUCT DATA SHEET

PRODUCT: **HYDROLAC 2K**
Two component waterborne acryl-polyurethane topcoat

CODE: **COMP. A W40718 HYDROLAC 2K**
COMP. B WC071A - W1 HARDENER

PRODUCT DESCRIPTION:

Hydrolac 2k is a transparent water-based protective coating, ideal as a finishing layer for water-based coating systems or as a final protection on metal or galvanic. Its formulation, specially designed to guarantee perfect aesthetic appeal, also guarantees direct adhesion on various substrates, including metals and alloys, galvanic deposits, glass, plastics or wooden supports. Given the variety of surfaces, especially of plastics, it is advisable to check the adhesion and compatibility with the surface from time to time. Achieving maximum performance is achieved starting from the dry 30 microns, to this thickness is also obtained an excellent fullness, perfect distension and transparency and coverage of corners and edges, necessary to pass stringent tests such as those in the automotive and home appliances sectors. The mechanical seals are excellent, excellent scratch resistance and chemical resistance. Suitable for prolonged immersion in hot water and boiling.

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)	1,4÷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) *	1,04 (±8%)
Volume solids (%) *	35,2 (±1%)
Medium dry film thickness (microns)	40 ±10
Correspondence wet film thickness (microns)	114
Yield to the average or recommended thickness (m ² / kg) *	8,5
Consumption at the average or recommended thickness (Kg / m ²) *	0,12
Touch dry at 25 ° C (min)	120
Recoat time min. recommended 25 ° C (hours)	2
Recoat time max. recommended 25 ° C (days)	5
Hard dry at 25 ° C (hours)	48
Recommended application temperature (° C)	+5 ~ +40
Maximum operating temperature (° C)	115
Pot life at 25 ° (hours)	2
Mixing ratio by weight	25%
Thinner	Water
Dilution (% weight)	15 ±5
Aspect of the film	glossy
Color	On request
Storage in suitable conditions (months)	6

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. A high relative humidity is able to stop cross-linking at any temperature. If this condition occurs and remains for more than 2/3 hours, It can also form rust stains. 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 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.