



TECHNICAL DATA SHEET

2TG1.00305

ACRICAR 305 HS

Creation date 15/06/16
 Latest update 10/02/21
 Rev. 2

GENERAL INFORMATIONS		
Transparent two-component acrylic with high resistance to atmospheric agents, good passivating power, maximum resistance to aggressive chemicals (detergents etc.), good elasticity, excellent gloss retention.		
FINISHED PRODUCT CHARACTERISTICS		
		NOTES
SPECIFIC WEIGHT	0,98 ± 0,1 Kg/L	
VISCOSITY	R3 180 cP a 20°C	Brookfield method
SOLIDS CONTENT	50 ± 1% (weight)	Theoretical
YIELD: (50 µm dry)	11 m ² /Kg 11 m ² /L	Theoretical
OPACITIES	93 Gloss	Glossmeter 60°
CATALYSIS	50% with HDR2H097 (weight/volume)	
NATURE OF THE BINDER	Hydroxylated acrylic resin and multifunctional aliphatic isocyanates	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS				
RESISTANCES				
ATMOSPHERIC AGENTS	Excellent			
NORMAL INDUSTRIAL ATMOSPHERE	Very good			
HEAVY INDUSTRIAL ATMOSPHERE	Very good			
MARINE ATMOSPHERE	Good			
HIGH HUMIDITY ENVIRONMENTS	Excellent			
ALIFATICALS	Very good			
AROMATICS	Good			
ALCOHOLS	Good			
OILS AND FATS	Very good			
QUV TEST 220h (ASTM G 53)	0h	75h	150h	220h
	93 gloss	90 gloss	85 gloss	83 gloss
APPLICATION MODE				
SPRAY	Dilution 10-20% ACRYLIC DILUENT. Nozzle pressure: 3-4 bar Nozzle diameter: 1.6 mm			
HARDENING				
DUST FREE	40 min			
TOUCH FREE	4-5 hours			
DEEP HARDENING	8-10 hours			
COMPLETE HARDENING	7 days			
<i>Drying can also be done in the oven at 80°C max (40'), after a drying time of 20 minutes.</i>				
Curing times may vary considerably depending on the thickness applied. A high thickness can compromise deep drying. Temperature can also have a significant effect on drying, especially on the evaporation of solvents.				



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OVERPAINTING
The product can be overpainted with itself wet on wet. According to its nature of finishing topcoats, we not recommend to overpaint it with other coatings.
SURFACES PREPARATION
Surfaces must be free of impurities. In case of maintenance works 2TG1.00305 have to be sanded before overspray it.
ENVIRONMENTAL CONDITIONS
The temperature of the substrate and exterior must be at least 3 degrees above dew point.
TOOLS CLEANINGS
The tools can be cleaned from the uncured product with DILUENTE NITRO ANTINEBBIA.
STORAGE
In a cool and dry place, protected from direct sunlight and in the well sealed tin, ACRICAR HS is stable at least 18 months, the CATALIZER at least 6 months. Particular attention must be paid to the storage of the CATALIZER which, being susceptible to react with atmospheric humidity, once opened must be consumed as soon as possible and at the same time stored in particularly dry environments.

The information given in this technical data sheet is indicative and based on our knowledge derived from experience and experimentation and can in no way constitute a guarantee. The purchaser/user decides independently on the suitability of the product for his own requirements in the context of the specific field of use. For safety information please refer to the relevant toxicological data sheet.