



## TECHNICAL DATA SHEET

2TG1.EC305

ACRICAR 305 EC

Creation date  
Latest update  
Rev. 1

17/02/15  
10/02/21

GENERAL INFORMATIONS		
Transparent two-component acrylic with high anti-graffiti characteristics, resistance to atmospheric agents, good passivating power, maximum resistance to aggressive chemicals (detergents, etc.), good elasticity, excellent gloss retention. The product is particularly suitable for industrial use for the painting of substrates that must be cleaned often due to writing or urban dirt.		
FINISHED PRODUCT CHARACTERISTIC		
		NOTES
SPECIFIC WEIGHT	0,98 ± 0,1 Kg/L	
VISCOSITY	R3 180 cP at 20°C	Brookfield method
SOLIDS CONTENT	50 ± 1% (weight)	Theoretical
YIELD: (50 µm dry)	11 m <sup>2</sup> /Kg 11 m <sup>2</sup> /L	Theoretical
OPACITY	93 Gloss	Glossmeter 60°
CATALYSIS	50% wiht 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 MODALITIES				
SPRAY	Dilution 10-20% ACRYLIC DILUENT. Nozzle pressure: 3-4 bar Nozzle diameter: 1.6 mm			
HARDENING				
OUT DUST	40 min			
OUT OF TACT	4-5 hours			
IN-DEPTH	8-10 hours			
COMPLETE DRYING	7 days			
Drying can also be done in the oven at 80°C max (40'), after a drying time of 20 minutes.				



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Curing times may vary considerably depending on the thickness applied. A high thickness can compromise deep drying. Temperature can also have a significant influence on the temperature, especially on the evaporation of solvents. The temperature of the substrate must be at least 3 degrees above the dew point.

### 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

### ENVIRONMENTAL CONDITIONS

The temperature of the substrate and exterior must be at least 3 degrees above dew point.

### TOOLS CLEANINGS

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.