



TECHNICAL DATA SHEET

2TG1

ACRIVIV 70.00 TRANSPARENT

Creation date
Latest update
Rev. 1

27/10/20
11/11/21

GENERAL INFORMATIONS
Two-component acrylic-polyisocyanic finish with very high resistance to atmospheric agents, good resistance to aggressive chemicals, very low flammability (at complete catalysis), good elasticity, excellent gloss retention. Suitable for painting plastic substrates, metal alloys or galvanised iron (after evaluation of the possible need for the use of suitable adhesion primer). The applied film is brilliant with an excellent anti-scratch properties.

FINISHED PRODUCT CHARACTERISTICS		NOTES
SPECIFIC WEIGHT	1.00 ± 0,1 Kg/L	
VISCOSITY	R3 550 cP at 20°C	Brookfield method
SOLIDS CONTENT	57 ± 1% (weight) 52 ± 1% (volume)	Theoretical Mixture A+B
YIELD: (50 µm dry)	10 m ² /Kg	Theoretical
BRIGHTNESS	100 Gloss	Glossmeter 60°
AVAILABLE COLOURS	Transparent	
CATALYSIS	30% with HDR2.001/R001 (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			
ALTERNATING IMMERSION IN WATER	Good			
CONTINUOUS IMMERSION IN WATER	Good			
ORGANIC ACIDS	Medium			
INORGANIC ACIDS AND ALKALIS	Good			
ALIFATICALS	Very Good			
AROMATICS	Good			
ALCOHOLS	Good			
ACID SALTS	Very Good			
ALCALINI SALTS	Good			
OILS AND FATS	Very Good			
QUV TEST (ASTM G 35)	0h	75h	150h	220h
	91 gloss	91 gloss	89 gloss ΔE: 0,4 ΔL: 0,3 Δa: -0,18 Δb: -0,03	88 gloss ΔE: 0,3 ΔL: 0,18 Δa: -0,22 Δb: -0,05



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CORROSION RESISTANCE (ASTM B 117)	<p>Dry film thickness: 75 micron - aging 7 days at 25°C</p> <p>After 400 hours blistering absent, the corrosion does not move 2 mm away from the incision.</p> <p>Cycle with 5BG4/5XG4 base: 400 micron total included with 2AG1 finish. Sandblasted iron support. 75 micron - ageing 7 days at 25°C.</p> <p>After 1500 hours blistering absent, the corrosion does not move away 2 mm from the engraving. Test duration: 1800 hours.</p>
TEMPERATURE	<p>ACRIVIV 70.00 enamel (completely dried and with imperfection-free film) has a continuous heat resistance of approx. 90-100°C. Beyond this temperature the technical characteristics of the product are not guaranteed.</p>

APPLICATION MODE	
SPRAY (CONVENTIONAL)	<p>Dilution 10% ACRYLIC THINNER</p> <p>Nozzle pressure: 3-4 atm</p> <p>Nozzle diameter: 1.6 mm</p>
SPRAY (AIRLESS)	<p>Dilution 5-10% ACRYLIC THINNER</p> <p>Nozzle pressure: 75-100 bar</p> <p>Diameter of the nuggets: .017"-.019".</p>

HARDENING	
POT LIFE	4 hours
<i>High temperatures can also significantly reduce the time required for use.</i>	
DUST FREE	40 min
TOUCH FREE	2-4 hours
DEEP HARDENING	8-10 hours
COMPLETE DRYING	7 days
<i>Hardening can also be carried out in an oven at 80°C max (40'), after a 20-minute hardening time.</i>	
<p>Hardening 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.</p>	

SURFACES PREPARATION
<p>ACRIVIV 70.00 TRANSP. It can be applied on enamels to exalt the gloss and increase the protection of the varnish film.</p>
ENVIRONMENTAL CONDITIONS
<p>The temperature of the substrate and exterior must be at least 3 degrees above dew point. At temperatures above 25-30°C it is advisable to use a special retardant thinner or a larger quantity of the thinner usually used, in order to avoid the formation of dots and bubbles (pin points) on the paint film.</p>

Vivcolor s.r.l.



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TOOLS CLEANING

The tools can be cleaned from the uncured product with NITRO THINNER.

STORAGE

In a cool and dry place, protected from direct sunlight and in a well sealed tin, ACRIVIV 70.00 TRASP. 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 in the shortest possible time 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.