

TECHNICAL DATA SHEET

2AG1I

ACRIVIV 70.00 S.I. (SPECIAL INOX)

Creation date 27/11/19
Latest update 31/01/23
Rev. 1

GENERAL INFORMATIONS		
<p>Two-component acryl-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 and high coverage.</p> <p>The enamel is particularly suitable for industrial use for direct painting of metal substrates such as light alloys, galvanised iron and stainless steel without the use of any primer or abrasive surface treatment.</p> <p>For application on iron, in order to guarantee maximum resistance to corrosion, it is recommended to treat the supports with our ACRIVIV PRIMER or our VIVEPOX PRIMER. The applied film is brilliant (95 gloss approx.) with an excellent anti-scratch properties.</p>		
FINISHED PRODUCT CHARACTERISTIC		
		NOTES
SPECIFIC WEIGHT	1,15 ± 0,1 Kg/L	
VISCOSITY	R3 550 cP at 20°C	Brookfield Method
SOLID CONTENT	57 ± 1% (weight) 52 ± 1% (volume)	Theoretical Mixture A+B
SPREAD RATING: (50 dry µm)	10 m²/Kg	Theoretical
BRIGHTNESS	95-100 Gloss	Glossmeter 60°
AVAIALE DYES	RAL, Pantone, NCS and by sample	
CATALYSIS (pigmented)	25% with HDR2.001 (weight) 27% with HDR2.001 (volume)	
CATALYSIS (transparent)	30% with HDR2.001 (weight/volume)	
BINDER NATURE	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
SALI ALCALINI	Good

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OILS AND FATS	Very good			
	0h	75h	150h	220h
QUV TEST (ASTM G 35)	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
TEMPERATURE	ACRIVIV 70.00 S.I. 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.			

APPLICATION MODALITY	
SPRAY (conventional)	Dilution 10% with ACRYLIC THINNER Nozzle pressure: 3-4 atm Nozzle diameter: 1.6 mm
SPRAY (AIRLESS)	Dilution 5-10% with ACRYLIC THINNER Nozzle pressure: 75-100 bar Diameter of the nuggets: .017"- .019".

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 HARDENING	7 days
<i>Drying can also be carried out in an oven at 80°C max (40'), after a 20-minute drying time.</i>	
Hardening times may vary considerably depending on the thickness applied. A high thickness can compromise deep drying.	



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SURFACES PREPARATION
For ferrous substrates, ACRIVIV 70.00 S.I. must be applied over a suitable nitro-resistant anticorrosive primer (ns. VIVEPOX PRIMER or ns. ACRIVIV PRIMER). The surfaces to be treated must in any case be dry, clean and free of grease. Any touch-ups of the cured finish (after 8-12 hours) can only be carried out after sanding. For stainless steel surfaces, any grease and impurities must be checked and, if necessary, completely removed, in order to have a smooth surface on which to apply.
ENVIRONMENTAL CONDITIONS
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.
TOOLS CLEANINGS
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 the well sealed tin, ACRIVIV 70.00 S.I. is stable at least 18 months, the HARDNER at least 6 months. Particular attention must be paid to the storage of the HARDNER 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.