

TECHNICAL DATA SHEET

2AG2I

ACRIVIV 70.100 S.I. (SPECIAL INOX)

Creation date
Latest update
Rev.

27/11/19
31/01/23
1

GENERAL CHARACTERISTICS		
<p>Single-component two-component hand enamel with high resistance to atmospheric agents, good passivating power thanks to its high content of zinc phosphate, good resistance to aggressive chemicals, very low flammability (when completely hardened), good elasticity, excellent gloss retention and high coverage. The enamel is particularly suitable for industrial use for the direct painting of metal supports such as iron, light alloys, galvanised iron and stainless steel without the aid of any primer or abrasive surface treatment. The applied film is semi-gloss with an excellent anti-scratch power.</p> <p>ACRIVIV 70.100 S.I. applied (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>		
CHARACTERISTIC OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	1.35 ± 0,1 Kg/L	
VISCOSITY	R4 2000 cP 20°C	
SOLID CONTENT	70 ± 2% (weight)	Theoretical
SPREAD RATIO (50 µm dry)	8,5 m²/Kg	Theoretical
CATALYSIS RATIO	WEIGHT: 100 (2AG2) + 15 (HDR2.001) VOLUME: 100 (2AG2) + 20 (HDR2.001)	
PRODUCT NATURE	Hydroxylated acrylic resin.	
FILM APPEARANCE	Semi-glossy 70/80 Gloss (2HG2I 50/60 Gloss)	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
RESISTANCE	
ATMOSPHERIC AGENTS	Excellent
NORMAL INDUSTRIAL ATMOSPHERE	Very good
HEAVY INDUSTRIAL ATMOSPHERE	Very good
MARINE ATMOSPHERE	Good
HIGH HUMIDITY ENVIRONMENTS	Excellent
ALCOHOLS	Good
OILS AND FATS	Very good
AROMATIC SOLVENTS	Good
ALIPHATIC SOLVENTS	Very good
CORROSION RESISTANCE (ASTM B 117)	
<p>Only 2AG2I (Dry film thickness: 75 micron - aging 7 days at 25°C) applied on sandblasted iron: after 400 hours in salt mist test blistering phenomenon are absent, the corrosion does not move 2 mm away from the incision.</p> <p>Cycle: 5BG4.SL237 + 5BG4.70100 + 2AG2I (400 micron total, aged 7 days at 25°C) on sandblasted iron: after 1500 hours in salt mist test blistering phenomenon are absent, the corrosion does not move away by 2 mm from the engraving. Test duration: 1800 hours.</p>	



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APPLICATION MODE	
SPRAY	Dilution 10-20% TH2.1696 ACRYLIC THINNER Nozzle pressure: 3-4 atm Nozzle diameter: 1.8 mm
POT LIFE	2 Hours (high temperatures can also significantly reduce the operating time).

HARDENING	
OUT DUST	40 min
OUT OF TACT	2-4 hours
IN-DEPTH	8-10 hours
COMPLETE HARDENING	7-10 days
<i>Hardening can also be done in the oven at 80°C max (40'), after a flash off time of 20 minutes.</i>	
OVERPAINTING	
The product is suitable for overpainting once applied. In the following 24 hours after application it is advisable to sand finely.	
SURFACES PREPARATION	
Degrease thoroughly in accordance with norm. SSPC-SP1. Ferrous surfaces with calamine and/or rust must be treated by commercial sandblasting SIS Sa2. Fresh galvanised surfaces, before painting, must be treated by washing with degreasing agents or acids in order to achieve thorough cleaning of the substrate. For maximum adhesion, apply the paint in a very thin layer (40-60 microns or the amount needed to achieve coverage). For stainless steel (INOX) surfaces, traces of grease and any impurities on the surface must be removed, if present.	
ENVIRONMENTAL CONDITIONS	
Particularly cold temperatures or environments with high relative humidity can slow down or change the characteristics of the system, which is affected during the painting phase by atmospheric conditions. It is therefore recommended to apply and initial drying in environments with a temperature above 10-15 °C and a maximum relative humidity of 75%. Light rain, high humidity or condensation during the 16 hours following application (20°C) can irreversibly corrupt the film formation. At temperatures above 25-30°C it is advisable to use a special retardant thinner or more of the thinner usually used, in order to avoid the formation of dots and bubbles (pin points) on the paint film.	



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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 is stable for at least 18 months, the HARDENER at least 6 months. Particular attention must be paid to the storage of the HARDENER which, being susceptible to react with atmospheric humidity, once opened it 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.