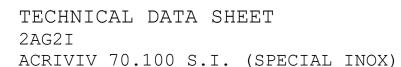
Vivcolor s.r.l.







Creation date 27/11/19 Rev. 0

GENERAL CHARACTERISTICS

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.

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.

CHARACTERISTIC OF THE SUPPLY PRODUCT

		NOTES
SPECIFIC WEIGHT	$1.35 \pm 0,1 \text{ Kg/L}$	
VISCOSITY	R4 2000 cP 20°C	
SOLID CONTENT	70 ± 2% (weight)	Theoretical
YIELD: (50 μm dry)	8,5 m ² /Kg	Theoretical
CATALYSIS RATIO	WEIGHT: 100 (2AG2) VOLUME: 100 (2AG2)	
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)		

Only 2AG2I (Dry film thickness: $75 \text{ micron} - \text{aging } 7 \text{ days at } 25^{\circ}\text{C}$) 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.

Cycle: 5BG4.SL237 + 5BG4.70100 + 2AG2I (400 micron total, aged 7 days at $25\,^{\circ}$ 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.

Vivcolor s.r.l.





TECHNICAL DATA SHEET 2AG2I

ACRIVIV 70.100 S.I. (SPECIAL INOX)

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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	

Hardening can also be done in the oven at $80^{\circ}C$ max (40'), after a flash off time of 20 minutes. The surfaces to be applied must be perfectly dry and the temperature higher than the dew point in order to avoid the formation of condensation.

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.

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 according to norm. SSPC-SP1. Iron surfaces with scale and/or rust must be treated by commercial sandblasting SIS Sa2. The surfaces that has been just galvanized, before painting, must be treated by brushing or washed with an acid solution in order to obtain a sufficient porosity of the substrate. To achieve maximum adhesion, apply the paint in a very thin coat (40-60 microns)

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.

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TECHNICAL DATA SHEET
2AG2I
ACRIVIV 70.100 S.I. (SPECIAL INOX)





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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.