Vivcolor s.r.1.







Creation date
Latest update
Rev.

27/11/19 31/01/23

GENERAL INFORMATIONS

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.

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.

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.

FINISHED PRODUCT CHARACTERISTIC				
		NOTES		
SPECIFIC WEIGHT	$1,15 \pm 0,1 \text{ Kg/L}$			
VISCOSITY	R3 550 cP at 20°C	Brookfield Method		
SOLID CONTENT	57 ± 1% (weight)	Theoretical Mixture		
	52 ± 1% (volume)	A+B		
SPREAD RATING: (50 dry μm)	10 m²/Kg	Theoretical		
BRIGHTNESS	95-100 Gloss	Glossmeter 60°		
AVAIABLE 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	

Vivcolor s.r.l.





TECHNICAL DATA SHEET
2AG1I
ACRIVIV 70.00 S.I. (SPECIAL INOX)

Creation date
Latest update
Rev.

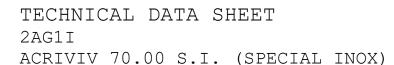
27/11/19 31/01/23

OILS AND FATS	Very good			
QUV TEST (ASTM G 35)	0h	75h	150h	220h
	91	91	89 gloss	88 gloss
	gloss	gloss	ΔE: 0,4	ΔE: 0,3
			ΔL: 0,3	ΔL: 0,18
			∆ a: -0,18	∆a: -0,22
			∆ b: -0,03	∆b: -0,05
	ACRIVIV 70.00 S.I. enamel (completely			
TEMPERATURE	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		
	Dilution 10% with ACRYLIC THINNER	
SPRAY (conventional)	Nozzle pressure: 3-4 atm	
	Nozzle diameter: 1.6 mm	
	Dilution 5-10% with ACRYLIC THINNER	
SPRAY (AIRLESS)	Nozzle pressure: 75-100 bar	
	Diameter of the nuggets: .017"019".	

HARDENING		
POT LIFE	4 hours	
High temperatures can also s.	ignificantly reduce the time required for	
use.		
DUST FREE	40 min	
TOUCH FREE	2-4 hours	
DEEP HARDENING	8-10 hours	
COMPLETE HARDENING	7 days	
Drying can also be carried out in an oven at 80°C max (40'), after a		
20-minute drying time.		
Hardening times may vary cons	siderably depending on the thickness	
applied. A high thickness can	n compromise deep drving.	

Vivcolor s.r.l.







Creation date
Latest update
Rev.

27/11/19 31/01/23

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.