Vivcolor s.r.l.

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

Creation date 27/11/19
Rev. 0

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 ± 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°
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
OILS AND FATS	Very good

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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
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 MODES				
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			
High temperatures can also significantly 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.				
Curing 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. The temperature of the substrate must be at least 3 degrees above the dew point.				

SURFACES PREPARATION
For ferrous substrates, ACRIVIV 70.00 S.I. must be applied on a suitable nitro-resistant anticorrosive primer (our VIVEPOX PRIMER or our ACRIVIV PRIMER). The surfaces to be treated must in any case be dry, clean and free of greasiness. Possible retouches of the cured finish (after 8-12 hours) can be made only after sanding.
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.