## 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)	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			
OILS AND FATS	Very good			

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QUV TEST (ASTM G 35)91919189 gloss88 glossglossglossAE: 0,4AE: 0,3AL: 0,18Aa: -0,18Aa: -0,03AD: -0,05ACRIVIV70.00S.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.SPRAY (conventional)Dilution 10% with ACRYLIC THINNER Nozzle pressure: 3-4 atm Nozzle pressure: 75-100 bar Diameter of the nuggets: .017"019".SPRAY (AIRLESS)Dilution 5-10% with ACRYLIC THINNER Nozzle pressure: 75-100 bar Diameter of the nuggets: .017"019".HARDENING BOLY FREE40 minTOUCH FREE2-4 hoursDEF HARDENING COMPLETE HARDENING8-10 hoursCOMPLETE HARDENING DEP HARDENING7 daysDrying 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 of the substrate must be at least 3 degrees above the dew point.		Oh	75h	150h	220h		
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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

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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.