

TECHNICAL DATA SHEET

2AG4K

ACRIVIV OPACO 70.100 RUSTLINKER

Creation date
Latest update
Rev. 1

15/01/20
15/11/21

GENERAL INFORMATIONS		
<p>Single-component, two-component, handmade enamel with high weather resistance, good passivity, good passivating power resistance to aggressive chemicals (detergents, etc.), very low resistance to chemicals flammability (fully hardened), good elasticity, excellent retention of the gloss level, high coverage and that thanks to the peculiarity of its components suitable for the painting of substrates oxidised ferrous metals.</p> <p>The enamel is particularly suitable for industrial use specially for the direct coating of oxidised ferrous metal substrates, 2AG4K is in any case also used on galvanised sheet metal etc. or for the overpainting of substrates previously treated with our own suitable primer.</p> <p>The applied film is semi-glossy with an excellent anti-scratch power. The ACRIVIV 70.100 RUSTLINKER (completely imperfection-free film) registers a resistance to continuous heat of approx. 90-100°C. Beyond this temperature the technical characteristics are not guaranteed of the product.</p>		
FINISHED PRODUCT CHARACTERISTIC		
		NOTES
SPECIFIC WEIGHT	1.2 ± 0,1 Kg/L	1.15 ± 0.1 Kg/L (A+B)
VISCOSITY	R4 5000 cP at 20°C	Brookfield method
SOLID CONTENT	70 ± 1% (weight) 55 ± 1% (volume)	Theoretical (A+B)
YIELD: (50 dry µm)	8.5 m²/Kg	Theoretical
OPACITY	10-15 Gloss	Glossmeter 60°
AVAIALE DYES	RAL, Pantone, NCS and on sample	
CATALYSIS	10% with HDR2.001 (weight) 15% with HDR2.001 (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

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ACID SALTS	Very good			
ALCALINI SALTS	Good			
OILS AND FATS	Very good			
QUV TEST (ASTM G 53)	0h	75h	150h	220h
	5-10 gloss	5-10 gloss	5-10 gloss ΔE: 0,4 ΔL: 0,3 Δa: -0,18 Δb: -0,03	5-10 gloss ΔE: 0,3 ΔL: 0,18 Δa: -0,22 Δb: -0,05
TEMPERATURE	The ACRIVIV 70.100 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.			
SALT SPRAY TEST (ASTM B 117)	[Dry film thickness: 75 micron] [Aging 7 days at 25°C]. After 400 hours salt mist test blistering absent, the corrosion does not move 2 mm away from the incision.			
APPLICATION MODES				
SPRAY (CONVENTIONAL)	Dilution 10-20% 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 Nozzle diameter: .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 of flashoff time.				
Hardening 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
Degrease thoroughly according to norm. SSPC-SP1. Iron surfaces with scale and/or rust must be treated by commercial sandblasting SIS Sa2. The



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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).

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 CLEANING

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 70.100 RUSTLINKER is stable for at least 18 months, the CATALIZER 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 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.