

TECHNICAL DATA SHEET

2AG2K

ACRIVIV 70.100 RUSTLINKER

Creation date
Latest update
Rev. 1

15/01/20
15/11/21

GENERAL CHARACTERISTICS		
<p>One coat two-component enamel with high resistance to atmospheric agents, good passivating power, good resistance to aggressive chemicals (detergents etc.), very low flammability (when completely hardened), good elasticity, excellent gloss retention, high coverage and thanks to the peculiarity of its components suitable for painting oxidized ferrous supports.</p> <p>The enamel is particularly suitable for industrial use for the direct painting of oxidised ferrous metal supports (for which it is specific), it is also used on galvanised sheets etc. or for overpainting supports previously treated with our suitable primer.</p> <p>The applied film is semi-gloss with a soft touch and an excellent anti-scratch power.</p> <p>ACRIVIV 70.100 RUSTLINKER enamel (completely dried and with imperfection-free film) has a continuous heat resistance of approx. 90-100°C.</p> <p>Beyond this temperature the technical characteristics of the product are not guaranteed.</p>		
CHARACTERISTICS OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	1.35 ± 0,1 Kg/L	
VISCOSITY	R4 2000 cP 20°C	
SOLID CONTENT	70 ± 2% (weight)	Theoretical
SPREAD RATE: (50 dry µm)	8,5 m²/Kg	Theoretical
CATALYSIS RATIO	WEIGHT: 100 (2AG2) + 15 (HDR2.001) VOLUME: 100 (2AG2) + 20 (HDR2.001)	
PRODUCT NATURE	Hydroxylated acrylic resin	
BRIGHTNESS	Semi-gloss 70/80 Gloss	

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
ALCOHOLS	Good
FATS AND OILS	Very good
AROMATIC SOLVENTS	Good
ALIPHATIC SOLVENTS	Very good
CORROSION RESISTANCE (ASTM B 117)	
Only 2AG2K(dry film thickness: 75 micron - aging 7 days at 25°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.	



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Cycle: 5BG4.SL237 + 5XG4MR7001 + 2AG2K (400 micron total, aged 7 days at 25°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.

APPLICATION MODE	
SPRAY	Dilution 10-20% 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	
DUST FREE	40 min
TOUCH FREE	2-4 hours
DEEP HARDENING	8-10 hours
COMPLETE HARDENING	7-10 days
<i>Hardening can also be done in the oven at 80°C max (40'), after a flash off time of 20 minutes.</i> <i>The surfaces to be applied must be perfectly dry and the temperature higher than the dew point to avoid the formation of condensation.</i>	
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	



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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.

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.