Vivcolor s.r.l.

TECHNICAL DATA SHEET
2AG4K
ACRIVIV OPACO 70.100 RUSTLINKER

Creation date 15/01/20
Rev. 0

GENERAL INFORMATIONS
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 cured), 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. The enamel is particularly suitable for industrial use for the direct painting of oxidised ferrous metal substrates (for which is specific), is in any case also used on galvanised sheet metal etc. or for the overpainting of substrates previously treated with our own. suitable primer. The applied film is semi-glossy with a soft touch and an excellent anti-scratch power. The ACRIVIVIV 70.100 RUSTLINKER enamel placed in place (completely with imperfection-free film), it registers a resistance to continuous heat of approx. 90-100°C. Beyond this temperature the technical characteristics are not guaranteed of the product.

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 calculation Mixture A+B
YIELD: (50 m secchi)	8.5 m²/Kg	Theoretical
OPACITY	10-15 Gloss	Glossmeter 60°
VOC gr/l (Dir. 2010/75/CE)	115.80 g/L	See safety data sheet
AVAIABLE 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

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ALTERNATING IMMERSION IN WATER	Good			
CONTINUOUS IMMERSION IN WATER	Good			
ORGANIC ACIDS	Medium			
INORGANIC ACIDS AND ALKALIS	Good			
ALIFATICALS	Vey good			
AROMATICS	Good			
ALCOHOLS	Good			
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 blistering absent, the corrosion does not move 2 mm away from the incision.			
APPLICATION MODES				
BRUSH, ROLLER	Diluition 5% with DILUENTE ACRILICO			
SPRAY (CONVENTIONAL)	Dilution 10-20% DILUENTE NITRO ANTINEBBIA or DILUENTE ACRILICO Nozzle pressure: 3-4 atm Nozzle diameter: 1.6 mm			
SPRAY (AIRLESS)	Dilution 5-10% DILUENTE NITRO ANTINEBBIA or DILUENTE ACRILICO 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 DRYING	7 days			

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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
Oxidized ferrous surfaces must be brushed to remove the rust not perfectly anchored to the support, providing then degrease thoroughly in accordance with norm. SSPC-SP1. Freshly galvanised surfaces must be treated by brushing or washing with acids in order to obtain sufficient porosity of the substrate. For maximum adhesion, apply the paint in a very thin layer (40-60 microns or the quantity needed to reach the coverage).
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 DILUENTE NITRO ANTINEBBIA.
STORAGE
In a cool and dry place, protected from direct sunlight and in a well sealed tin, ACRIVIV 70.100 is stable for at least 18 months, the CATALIZER at least 6 months. Particular attention must be paid to the storage of the CATALIZER 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.