

TECHNICAL DATA SHEET

2AG3

ACRIVIV 70.100 SEMI-MATT

Creation date 03/07/18
Latest update 06/02/23
Rev. 2

GENERAL INFORMATIONS		
2K acrylic enamel that provide to painting cycle excellent resistance to atmospheric agents and aggressive chemicals, low flammability (when hardening is complete) and excellent anti-rust properties thanks to its high content of zinc phosphate. This product is recommended for direct to metal painting cycles and, with a suitable primer like our VIVGRIP, applications on plastic materials. Over 100°C characteristics of the product are no more guaranteed.		
PHISICAL AND CHEMICAL CHARACTERISTICS		
		NOTE
SPECIFIC WEIGHT	1.2 ± 0,1 Kg/L (A)	
VISCOSITY	R4 5000 CP a 20°C	Brookfield Method
SOLID CONTENT	70 ± 1% (by weight) A+B	Theoretical
SPREAD REATING: (50 µm dry)	8.5 m ² /Kg	Theoretical
BRIGHTNESS	40-45 Gloss	Glossmeter 60°
AVAIALE DYES	RAL, Pantone, NCS and on request	
CATALYSIS	15% with HDR2.001 (by weight) 20% with HDR2.001 (by volume)	
BINDER NATURE	Hydroxilated acrylic resins	

TECHNOLOGICAL AND RESISTANCES CHARACTERISTICS	
RESISTANCES	
ATMOSPHERIC AGENTS	Excellent
NORMAL INDUSTRIAL ENVIROMENTS	Really Good
HEAVY INDUSTRIAL ENVIROMENTS	Really Good
SEA ENVIROMENTS	Good
HIGH UMIDITY ENVIROMENTS	Excellent
ALCOHOLS	Good
FATS AND OILS	Really Good
AROMATIC SOLVENTS	Good
ALIFATIC SOLVENTS	Really Good
TEMPERATURE	Max: 90-100°C (at complete hardening)
CORROSION RESISTANCE (ASTM B 117)	
Dry film thickness: 75 µm - 7 days of rest at 25 °C After 400 hours no blistering detect, rust at 2 mm from the incision.	
CYCLE on sandblasted iron: 5BG4.SL237 + 5BG4.70100 + 2AG3 (400 total microns) After 1500 hours no blister phenomenon can be detected. Rust at 2 mm from the incision. The complete cycles last 1800 hours.	

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APPLICATION	
SPRAY	Dil. 10-20% TH2.1696 (ACRYLIC THINNER). Pressure: 3-4 bar Ø nozzle: 1.8 mm Suggested thickness (on dry film): 40-50 µm
POT LIFE	2 hours (high temperature can reduce significantly pot life times)
HARDENING TIMES	
DUST FREE	40 mins
TOUCH FREE	2-4 mins
DEEP HARDENING	8-10 hours
COMPLETE HARDENING	7 days
POT LIFE	2 hours (with high temperatures pot life time can be lower)
OVEN	40 mins - 80°C (after 20 mins flash off)
<i>Hardening times can change significantly according to temperature and thickness of the application. Rain, high humidity or condensation in the 16 hours after the application can compromise hardening.</i>	

OVERPAINT
After 24 hours with light sanding
SURFACES PREPARATIONS
Degrease thoroughly in accordance with norm. SSPC-SP1. Ferrous surfaces with calamine and/or rust must be treated by commercial sandblasting SIS Sa2. Fresh galvanised surfaces before painting must be treated by brushing or acid washing in order to obtain sufficient porosity of the substrate. In order to achieve maximum adhesion, it is useful to apply the paint in a very thin layer (40-60 microns or the amount necessary to achieve coverage).
ENVIROMENTAL CONDITIONS
Surfaces must be perfectly dry and the temperature must be above dew point to avoid the formation of condensation. 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. We therefore recommend application and initial drying in environments with a temperature above 10-15 °C and a maximum relative humidity of 75 %. Light rain, high humidity or the formation of condensation during the 16 hours following application (20°C) can irreversibly damage the film formation. At temperatures above 25-30°C a suitable retardant thinner or a larger quantity of the normally used thinner should be used in order to avoid the formation of dots and bubbles (pinpricks) on the paint film.

Vivcolor s.r.l.



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TOOLS CLEANING
Tools can be cleaned, by not polymerized product, with TH4.1000 (NITRO THINNER).
STORAGE
In fresh and low humidity places, avoiding direct contact with sunlight and in a well sealed can, 2AG3 is stable for 18 months. His hardener, in the same conditions, is stable 6 months.

The information given in this sheet and founded on our experience are not intended to be fully exhaustive. Whilst we endeavour to ensure that all advices we give about the product (whether in this sheet or otherwise) are correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product. Is supposed that every user liberally opts for the products described on this sheet, after verifying suitability according its requirements. This product is intended for use only by professional applicators in industrial, according the advices described on this sheet, the material safety data sheet and the packaging.