

TECHNICAL DATA SHEET

2AG2

ACRIVIV 70.100

Creation date 03/07/18
Last update 14/03/23
Rev. 4

GENERAL INFORMATIONS		
<p>Two component single coat enamel with high weather and scratch resistance, good passivation, good resistance to aggressive chemicals (detergents etc.), very low flammability (when fully cured), good elasticity, excellent gloss retention and high coverage.</p> <p>The enamel is particularly suitable for industrial use for direct coating of ferrous, galvanised sheet metals. It can also be applied to certain plastic substrates. For an optimal result we recommend to treat the plastic with our VIVGRIP before painting.</p> <p>If necessary, this acrylic enamel can also be used for painting floors to strengthen the cement surface both inside and outside a room.</p>		
PHISICAL AND CHEMICAL CHARACTERISTICS		
		NOTE
SPECIFIC WEIGHT	1.35 ± 0,1 Kg/L (A)	
VISCOSITY	R4 2000 CP a 20°C	Brookfield Method
SOLID CONTENT	67 ± 1% (by weight) A+B 50 ± 1% (by volume) A+B	Theoretical
SPREAD REATING: (50 µm dry)	8.5 m ² /Kg	Theoretical
On porous surfaces, as cement or concrete, this figure may vary considerably.		
BRIGHTNESS	75-80 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)	
<p>Dry film thickness: 75 µm - 7 days of rest at 25 °C</p> <p>After 400 hours no blistering detect, rust at 2 mm from the incision.</p> <p>CYCLE on sandblasted iron: 5BG4.SL237 + 5BG4.70100 + 2AG2 (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.</p>	

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APPLICATION	
BRUSH OR ROLLER	Dil. 5-10% TH2.002 (SLOW ACRYLIC THINNER) Do not exceed with thickness of the layers of paint (MAX 80-100 dry microns).
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.</i>	

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 achieve sufficient porosity of the substrate. For maximum adhesion, apply the paint in a very thin layer (40-60 microns or the amount necessary to achieve coverage). Cement surfaces must be dry, clean and free of friable parts or debris that could in any way cause the paint to detach. It is better to roughen the surface where the paint is to be applied
ENVIROMENTAL CONDITIONS
Surface temperature must be 3 degrees over dew point. Rain, high humidity or condensation in the 16 hours after the application can compromise hardening. If external temperature go over 25-30°C use an appropriate slow thinner (TH2.002 SLOW ACRYLIC THINNER) in order to avoid formations of little bubbles or pins on coat surface.
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, 2AG2 is stable for 18 months. His hardener, in the same conditions, is stable 6 months.



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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.