

TECHNICAL DATA SHEET

2AG4

ACRIVIV 70.100 MATT

Creation date 13/02/15

Latest update 15/11/21

Rev. 2

GENERAL INFORMATIONS		
<p>Two-component enamel with high resistance to atmospheric agents, good passivating power, maximum resistance to aggressive chemicals (detergents, etc.), very low flammability, good elasticity, excellent gloss retention and high opacity.</p> <p>The enamel is particularly suitable for industrial uses for direct coating (or with our VIV-GRIP primer) of plastic and ferrous metal substrates, galvanised metal, etc. The applied film is matt with a good gloss level.</p> <p>The applied film is matt with high surface hardness and excellent scratch resistance.</p>		
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) 55 ± 1% (by volume)	Theoretical
SPREAD REATING: (50 µm dry)	8.5 m²/Kg	Theoretical
BRIGHTNESS	10-15 Gloss	Glossmeter 60°
VOC gr/l (Dir. 2010/75/CE)	115.80 g/L	According to dye. See our SDS for more data.
AVAIALE DYES	RAL, Pantone, NCS and on request	
CATALYSIS	10% with HDR2.001 (by weight) 15% 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
ALTERANTE WATER IMMERTIONS	Good
CONTINUOUS WATER IMMERSION	Good
ORGANIC ACIDS	Really Good
INORGANIC ACIDS	Good
ALKALINE	Good
ALIFATIC	Really Good
AROMATIC	Good
ALCOHOLS	Good
ACID SALTS	Really Good

TECHNICAL DATA SHEET

2AG4

ACRIVIV 70.100 MATT

Creation date 13/02/15

Latest update 15/11/21

Rev. 2

ALKALINE SALTS	Good			
FATS AND OILS	Really Good			
AROMATIC SOLVENTS	Good			
ALIFATIC SOLVENTS	Really Good			
TEMPERATURE	Max: 90-100°C (complete hardening)			
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
CORROSION RESISTANCE (ASTM B 117)				
Only 2AG4 topcoat (Dry film thickness: 75 μm - 7 days of rest at 25 °C) After 400 hours of salt mist test no blistering phenomenon, rust at 2 mm from the incision.				
APPLICATION				
SPRAY	Dil. 10-20% with ACRYLIC THINNER Pressure: 3-4 bar Ø nozzle: 1.6 mm			
SPRAY (AIRLESS)	Dil. 5-10% with ACRYLIC THINNER Pressure: 75-100 bar Ø nozzle: .017"- .019"			
SUGGESTED THICKNESS	40-50 μm (dry)			
HARDENING TIMES				
DUST FREE	40 mins			
TOUCH FREE	2-4 mins			
DEEP HARDENING	8-10 hours			
COMPLETE HARDENING	7 days			
POT LIFE	4 hours (with high temperatures pot life time can be lower)			
OVEN	40 mins - 80°C (after 20 mins by the application)			
Hardening times can change considerably according to temperature and thickness of the application. Light rain, high humidity or condensation in the 16 hours after the application can compromise the hardening of the paint.				

SURFACES PREPARATIONS

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 or the amount required to achieve coverage).



TECHNICAL DATA SHEET

2AG4

ACRIVIV 70.100 MATT

Creation date 13/02/15

Latest update 15/11/21

Rev. 2

ENVIROMENTAL CONDITIONS

Surface temperature must be 3 degrees over dew point.
If external temperature go over 25-30°C with recommend to use a appropriate slow thinner in order to obtain a smooth layer of coat.

TOOLS CLEANING

Tools can be cleaned, by not polymerized product, easily with NITRO THINNER.

STORAGE

In fresh and dry places, avoiding direct contact with sunlight and in a well closed can, 2AG4 results stable for 18 months. His hardener, in the same conditions, 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.