Vivcolor s.r.l.

TECHNICAL DATA SHEET
2AG1C
ACRIVIV 70.100 GLOSSY TOPCOAT

Creation date 22/09/20
Latest update 01/02/21
Rev. 1

GENERAL CHARACTERISTIC
Two-component glossy enamel with good resistance to atmospheric agents, good passivating power, good resistance to aggressive chemicals (detergents etc.), very low flammability (when completely hardened), good elasticity, excellent brightness retention and high opacity. The enamel is particularly suitable for industrial uses like the direct coating of some plastics, ferrous metal, galvanised sheet metal, etc., or for overpainting substrates previously treated with our primers. The applied film is glossy with a an excellent anti-scratch properties. The ACRIVIV 70.100 GLOSSY enamel (completely dried and with no imperfection on the film) resist to continuous temperature of 90-100°C. Beyond this temperature the technical characteristics of the product are not guaranteed.

CHARACTERISTICS OF THE SUPPLY PRODUCT		
		NOTES
SPECIFIC WEIGHT	1.20 ± 0,1 Kg/lt	
VISCOSITY	R4 1000 cP at T. 20°C	Brookfield method
SOLIDS CONTENT	64 ± 2% (weight)	Theoretical
YIELD: (50 µm dry)	8 m²/Kg	Theoretical
BRIGHTNESS	90 Gloss	Glossmeter 60°
CATALYSIS RATIO	WEIGHT: 100 (2AG1C) + 20 (HDR2.001) VOLUME: 100 (2AG1C) + 25 (HDR2.001)	
NATURE OF THE PRODUCT	Hydroxylated acrylic resin	

TECHNOLOGICAL CHARACTERISTICS AND RESISTANCE TESTS	
RESISTANCES	
ATMOSPHERIC AGENTS	Very good
NORMAL INDUSTRIAL ATMOSPHERE	Very good
HEAVY INDUSTRIAL ATMOSPHERE	Good
MARINE ATMOSPHERE	Good
HIGH HUMIDITY ENVIRONMENTS	Very good
ALCOHOLS	Good
OILS AND FATS	Very good
AROMATIC SOLVENTS	Good
ALIPHATIC SOLVENTS	Very good
CORROSION RESISTANCE (ASTM B 117)	
Only 2AG1C on sandblasted iron (Dry film thickness: 75 micron - aging 7 days at 25°C): in salt mist test after 400 hours blistering absent, the corrosion does not deviate by 2 mm from the engraving. Cycles composed by 5BG4.SL237 + 5XG4MR7001 and 2AG1C (TOTAL THICKNESS: 400 micron) applied on sandblasted iron supports. In salt mist test after 1500 hours blistering absent, the corrosion does not deviate by 2 mm from the cross incision. Test duration: 1800 hours.	
APPLICATION MODE	
SPRAY	Dilution 10-20% ACRYLIC DILUENT Nozzle pressure: 3-4 atm Nozzle diameter: 1.8 mm

Vivcolor s.r.l.

TECHNICAL DATA SHEET
2AG1C
ACRIVIV 70.100 GLOSSY TOPCOAT

Creation date 22/09/20
Latest update 01/02/21
Rev. 1

At temperatures above 25-30°C it is advisable to use a special slower thinner or more of the thinner usually used, in order to avoid the formation of dots and bubbles (pin points) on the paint film.	
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
Hardening can also be done in the oven at 80°C max (40'), after a flash off time of 20 minutes.	

OVERPAINTING

The product is suitable for overpainting once applied. In the following 24 hours after application, it is advisable to sand it finely.

ENVIRONMENTAL CONDITIONS

Light rain, high humidity or condensation during the 16 hours following application (20°C) can irreversibly corrupt the film formation. 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 %.

SURFACES PREPARATION

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 must be treated by brushing or acid washing before being painted 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). The surfaces to be applied must be perfectly dry and the temperature higher than the dew point in order to avoid the formation of condensation.

TOOLS CLEANINGS

The tools can be cleaned from the uncured product with NITRO THINNER.

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.