



TECHNICAL DATA SHEET

HAG1L

ACRIVIV 70.100 HS DTM

Creation date 08/05/23
 Latest Update 03/02/25
 Rev. 1

GENERAL INFORMATIONS		
Single-coat two-component gloss enamel with good weather resistance, good resistance to aggressive chemicals (detergents etc.), very low flammability (when fully cured), good elasticity, excellent gloss retention and high coverage. The enamel is particularly suitable for industrial use for the direct painting of certain plastic, metal, ferrous, galvanised sheet metal, etc. substrates or for overpainting substrates previously treated with a suitable primer. The applied film is glossy with a soft touch and excellent scratch resistance.		
FINISHED PRODUCT CHARACTERISTIC		
		NOTES
SPECIFIC WEIGHT	1,08 ± 0,1 Kg/L	
VISCOSITY	R3 800 cP at 20°C	Brookfield Method
SOLID CONTENT	55,2 ± 2% (weight)	Theoretical
SPREAD RATING: (50 dry µm)	8 m ² /Kg	Theoretical
BRIGHTNESS	95-100 Gloss	Glossmeter 60°
AVAILABLE DYES	RAL, Pantone, NCS and by sample	
CATALYSIS (pigmented)	13% with HDR2.H002 (weight)	
BINDER NATURE	Hydroxylated acrylic resins	

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
ALTERNATING IMMERSION IN WATER	Good
CONTINUOUS IMMERSION IN WATER	Good
ORGANIC ACIDS	Medium
INORGANIC ACIDS AND ALKALIS	Good
ALIFATICALS	Very Good
AROMATICS	Good
ALCOHOLS	Good
ACID SALTS	Very good
SALI ALCALINI	Good
OILS AND FATS	Very good

CORROSION RESISTANCE (ASTM B 117)
Dry film thickness: 75 microns - ageing 7 days at 25°C



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After 400 hours blistering absent, corrosion does not recede 2 mm from the engraving. Cycle with primer 5BG4.SL237 + 5BG4.70101: 400 microns total including HAG1L topcoat. Sandblasted iron substrate. 75 microns - ageing 7 days at 25°C. After 1500 hours blistering absent, corrosion does not recede 2 mm from the engraving. Test duration: 1800 hours. HAG1L applied directly on metal shows no blistering after 400 hours and exceeds 1000 hours with the corroded part not receding 2 mm from the cross.

APPLICATION MODALITY	
SPRAY (conventional)	Dilution 10% with ACRYLIC THINNER Nozzle pressure: 3-4 atm Nozzle diameter: 1.6 mm

HARDENING	
POT LIFE	2 hours
<i>High temperatures can also significantly reduce the time required for use.</i>	
DUST FREE	50 min
TOUCH FREE	2-4 hours
DEEP HARDENING	4-8 hours
COMPLETE HARDENING	7-10 days
Hardening times may vary considerably depending on the thickness applied. A high thickness can compromise deep drying.	

OVERPAINTING	
The product is suitable for overpainting once applied. In the next 24 hours after application, it is advisable to sand finely.	
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 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 needed to achieve coverage).	



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ENVIRONMENTAL CONDITIONS

Light rain, high humidity or the formation of condensation during the 16 hours following application (20°C) can irreversibly corrupt the formation of the film. 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 of more than 10-15 °C and a maximum relative humidity of 75 %. The temperature must be higher than the dew point to avoid the formation of condensation. At temperatures above 25-30 °C it is advisable to use a suitable retardant thinner or a larger quantity of the thinner usually used, in order to avoid the formation of dots and bubbles (pinpricks) on the paint film.

TOOLS CLEANINGS

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

STORAGE

In a cool, dry place, protected from direct exposure to sunlight and in a well-sealed tin, ACRIVIV is stable for at least 18 months, the HARDNER for at least 6 months. Particular care must be taken when storing the HARDNER which, being susceptible to reacting with atmospheric moisture, once opened must be consumed as quickly as possible and at the same time stored in a particularly dry environment.

The information given in this technical data sheet is indicative and based on our knowledge derived from experience and experimentation and can in no way constitute a guarantee. The purchaser/user decides independently on the suitability of the product for his own requirements in the context of the specific field of use. For safety information please refer to the relevant toxicological data sheet.