

## TECHNICAL DATA SHEET

2CG4.CORTS/2CG4.CORTC

ACRIVIV CORTEN DARK/LIGHT

Data creazione  
Data aggiorn.  
Rev.

01/04/25  
15/04/25  
1

GENERAL INFORMATION		
Single-coat, two-component enamel with high weather resistance, good passivating power, maximum resistance to aggressive chemicals (detergents etc.), very low flammability, good elasticity, excellent gloss retention and high coverage. The enamel is particularly suitable for industrial use for the direct coating (or with our VIV-GRIP primer) of plastic substrates, ferrous metal, galvanised sheets, etc. The applied film is matt with a corten steel-like finish.		
FINISHED PRODUCT CHARACTERISTICS		
		NOTE
SPECIFIC WEIGHT	1.35 ± 0,1 Kg/L	1,26 ± 0,1 Kg/L (A+B)
VISCOSITY	R4 5000 cP a 20°C	Brookfield Method
SOLIDS CONTENT	70 ± 1% (in peso) 55 ± 1% (in volume)	Theoretical Mix A+B
YIELD: (50 µm dry)	8.5 m <sup>2</sup> /Kg	Theoretical
BRILLIANCE	10-15 Gloss	Glossmeter 60°
AVAILABLE COLOURS	CORTS: DARK VERSION, CORTC: LIGHT VERSION	
CATALYSIS	10% con HDR2.001 (by weight) 15% con HDR2.001 (by volume)	
NATURE OF BINDER	Hydroxylated acrylic resin and polyfunctional aliphatic isocyanates	

TECHNOLOGICAL CHARACTERISTICS AND STRENGTH TESTS	
RESISTENCIES	
ATMOSPHERIC AGENTS	Very Good
NORMAL INDUSTRIAL ATMOSPHERE	Very Good
HEAVY INDUSTRIAL ATMOSPHERE	Very Good
MARINE ATMOSPHERE	Good
HIGH-HUMIDITY ENVIRONMENTS	Very Good
ALTERNATING IMMERSION IN WATER	Good
CONTINUOUS IMMERSION IN WATER	Good
ORGANIC ACIDS	Medium
INORGANIC ACIDS AND ALKALIS	Good
ALIPHATICS	Very Good
AROMATIC	Good
ALCOHOLS	Good
ACID SALTS	Very Good
ALKALINE SALTS	Good
OILS AND FATS	Very Good
TEMPERATURE	ACRIVIV EFFECT CORTEN enamel when laid (completely dried and with a film free of imperfections) has a continuous heat resistance of approx. 90-100°C. Beyond this

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	temperature, the technical characteristics of the product are not guaranteed.
TEST SALT MIST (ASTM B 117)	[Dry film thickness: 75 microns] [Ageing 7 days at 25°C]. After 400 hours blistering absent, corrosion does not recede 2 mm from the etching.
<b>MODES OF APPLICATION</b>	
SPRAY (CONVENTIONAL)	Dilution 10-20% ACRYLIC THINNER Nozzle pressure: 3-4 atm Nozzle diameter: 1.6 mm
SPRAY (AIRLESS)	Dilution 5-10% ACRYLIC THINNER Nozzle pressure: 75-100 bar Nozzle diameter: .017"-.019"
<b>HARDENING</b>	
POT LIFE	4 hours
<i>High temperatures can also significantly reduce the time for use.</i>	
OUT POWDER	40 min
OUT OF TOUCH	2-4 hours
IN DEEP	8-10 hours
FULL HARDENING	7 days
<i>Hardening can also be carried out in an oven at 80°C max (40'), after the paint has dried on the substrate for 20 minutes.</i>	
Hardening times can vary considerably depending on the thickness applied.	

<b>SURFACE PREPARATION</b>
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. It is useful for maximum adhesion to apply the paint in a very thin layer (40-60 microns or the amount needed to achieve coverage).
<b>ENVIRONMENTAL CONDITIONS</b>
The substrate and outside temperature must be at least 3 degrees above the dew point. At temperatures above 25-30°C, a suitable retardant thinner or a larger amount of the thinner usually used should be used in order to avoid the formation of dots and bubbles (pinpricks) on the paint film.



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<b>TOOLS CLEANINGS</b>
Tools can be cleaned of uncured product with NITRO THINNER.
<b>STORAGE</b>
In a cool, dry place, protected from direct sunlight and in a well-sealed tin, ACRIVIV 70.100 is stable for at least 18 months, the CATALYST at least 6 months. Particular care must be taken when storing the CATALYZATOR which, being susceptible to reacting with atmospheric moisture, once opened must be consumed as quickly as possible and stored in a particularly dry environment.

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