



## TECHNICAL DATA SHEET

2AG1

ACRIVIV 70.00

Creation date 10/07/15

Rev. 0

| GENERAL INFORMATION   |  |                         |
|---|--|-------------------------|
| <p>Two-component acrylic-polyisocyanic finishing enamel with very high resistance to atmospheric agents, maximum resistance to aggressive chemicals, very low flammability, good elasticity, excellent gloss retention and high coverage.</p> <p>The enamel is particularly suitable for industrial use for direct painting (or with our 2TG1.00ACP VIV-GRIP primer) of plastic substrates, metal alloys or galvanised iron (after evaluation of the possible need for the use of suitable adhesion primer). For application on iron, in order to guarantee maximum corrosion resistance, it is recommended to treat the supports with our ACRI-VIV FONDO or our VIV-EPOX FONDO. The applied film is brilliant (90 gloss approx.) with an excellent anti-scratch.</p> |  |                         |
| FINISHED PRODUCT CHARACTERISTICS  |  |                         |
|   |  | NOTES                   |
| SPECIFIC WEIGHT   | 1.05 ± 0,1 Kg/L  |                         |
| VISCOSIT  | R3 550 cP at 20°C  | Brookfield method       |
| SOLIDS CONTENT  | 57 ± 1% (weight)<br>52 ± 1% (volume)                                 | Theoretical Mixture A+B |
| YIELD: (50 µm dry)  | 10 m <sup>2</sup> /Kg  | Theoretical             |
| BRIGHTNESS  | 95-100 Gloss   | Glossmeters 60°         |
| VOC gr/l (Dir. 2010/75/EC)  | 126.70 g/L   |                         |
| AVAILABLE COLOURS   | RAL, Pantone, NCS and by sample                                      |                         |
| CATALYSIS (pigmented)   | 25% with HDR2.001 (weight)<br>27% with HDR2.001 (volume)             |                         |
| NATURE OF THE BINDER  | Hydroxylated acrylic resin and multifunctional aliphatic isocyanates |                         |

| 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 |
| ALCALINI SALTS                                     | Good      |
| OILS AND FATS                                      | Very good |



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|                      | 0h   | 75h      | 150h   | 220h  |
|----------------------|--|----------|--|---|
| QUV TEST (ASTM G 35) | 91 gloss   | 91 gloss | 89 gloss<br>$\Delta E: 0,4$<br>$\Delta L: 0,3$<br>$\Delta a: -0,18$<br>$\Delta b: -0,03$ | 88 gloss<br>$\Delta E: 0,3$<br>$\Delta L: 0,18$<br>$\Delta a: -0,22$<br>$\Delta b: -0,05$ |
| TEMPERATURE          | ACRIVIV 70.00 enamel (completely dried and with imperfection-free film) has a continuous heat resistance of approx. 90-100°C. Beyond this temperature the technical characteristics of the product are not guaranteed. |          |  |   |

| APPLICATION MODE     |  |
|----------------------|--|
| SPRAY (CONVENTIONAL) | Dilution 10% or ACRYLIC THINNER<br>Nozzle pressure: 3-4 atm<br>Nozzle diameter: 1.6 mm                 |
| SPRAY (AIRLESS)      | Dilution 5-10% ACRYLIC THINNER<br>Nozzle pressure: 75-100 bar<br>Diameter of the nuggets: .017"-.019". |

| HARDENING   |            |
|---|------------|
| POT LIFE  | 4 hours    |
| <i>High temperatures can also significantly reduce the time required for use.</i>   |            |
| DUST FREE   | 40 min     |
| TOUCH FREE  | 2-4 hours  |
| DEEP HARDENING  | 8-10 hours |
| COMPLETE DRYING   | 7 days     |
| <i>Drying can also be carried out in an oven at 80°C max (40'), after a 20-minute drying time.</i>  |            |
| Hardening times may vary considerably depending on the thickness applied. A high thickness can compromise deep drying. Temperature can also have a significant influence on the temperature, especially on the evaporation of solvents. |            |

| SURFACES PREPARATION   |
|--|
| ACRIVIV 70.00 must be applied on a suitable nitro-resistant anticorrosive primer. The best adhesion results of the painting cycle are obtained using our VIVEPOX FONDO or our ACRIVIVIV FONDO. The surfaces to be treated must in any case be dry, clean and free of greasiness. Possible retouches of the cured finish (after 8-12 hours) can be made only after sanding. |
| ENVIRONMENTAL CONDITIONS   |
| The temperature of the substrate and exterior must be at least 3 degrees above dew point.  |



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At temperatures above 25-30°C it is advisable to use a special retardant thinner or a larger quantity of the thinner usually used, in order to avoid the formation of dots and bubbles (pin points) on the paint film.

### **TOOLS CLEANING**

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

### **STORAGE**

In a fresh and dry place, protected from direct sunlight and in a well sealed tin, ACRIVIV 70.00 is stable for at least 18 months, the CATALIZER at least 6 months.

Particular attention must be paid to the storage of the CATALIZER which, being susceptible to react with atmospheric humidity, once opened must be consumed as soon as possible and at the same time stored in particularly dry environments.

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.