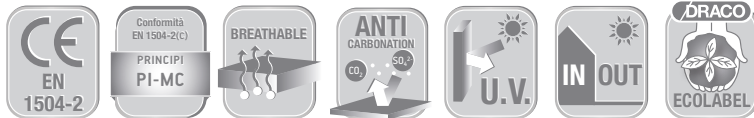


# ACRIPAIN

BREATHABLE ACRYLIC RESIN PROTECTING AGAINST CARBONATATION FOR CONCRETE STRUCTURES



**ACRIPAIN** is a one-component synthetic paint based on water-borne acrylic resins. **ACRIPAIN** is specially formulated to decorate concrete, reinforced concrete and pre-stressed concrete surfaces while also providing protection from carbonatation. **ACRIPAIN** provides a waterproof covering that is breathable to vapour that also resists well to yellowing and offers superior adhesion.

## BENEFITS

The specific characteristics of the product are:

- ✓ **BREATHABLE:** ACRIPAIN is impermeable to water and aggressive agents, but permits the passage of water vapour.
- ✓ **EFFECTIVE ANTI-CARBONATATION:** ACRIPAIN protects buildings against carbonatation by creating a barrier against the ingress of carbon dioxide.
- ✓ **RESISTANCE TO CHEMICAL AGENTS AND UV:** ACRIPAIN effectively resists attack from aggressive agents in the environment, as well as wearing well over time and providing resistance over prolonged exposure to sunlight.
- ✓ **IMPERMEABLE:** ACRIPAIN exhibits superior adhesion to substrates and enables you to create an elastic seamless coating.
- ✓ **DIRT RESISTANT:** ACRIPAIN resists dirt deposit on surfaces thus ensuring easier cleaning.
- ✓ **EASY TO APPLY:** ACRIPAIN can be easily and swiftly applied using either a roller or spray.



## WHERE TO USE

**ACRIPAIN** is ideal for:

- ✓ the protection and finishing of concrete surfaces, especially external vertical surfaces that require a product ensuring high resistance and breathability even in unfavourable climates.
- ✓ easily creating a protective waterproof coating that is effective in protecting against carbonatation and weathering and provides greater resistance to UV.
- ✓ application on fibre/cement and/or plaster to create a pleasant colour and an attractive finish.

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## PREPARATION OF SUBSTRATE

### SUBSTRATE REQUIREMENTS

Before applying **ACRIPAIN** you must check the bonding strength of the substrate (min. pull-off strength 1.5 MPa).

### CLEANING

Contact surfaces must be clean and free of loose or flaking parts. Remove grout slurry, spots, efflorescence or soaked-in stains of oil, grease, paint, dust, or previous coatings by pressure washing or sandblasting. If there is any moss or vegetation use a suitable fungicide.

### REPAIR AND LEVELLING

Any cracks, micro-cracking or irregularities on the surface must be repaired with PAVIFIX, the two-component epoxy non-shrink mortar for rapid repair of concrete flooring. Where the substrates are damaged, with cracks greater than 3 mm, it is necessary to build up the substrate with mortar from the FLUECO line and/or CONCRETE FINISHER products. Saturate the surface with water under pressure. Before making repairs wait until all water has evaporated completely. Any water remaining on the surfaces must be removed using compressed air or cloths.

### PRIMING

Apply the acrylic primer ACRIPRIMER using either a brush or roller on a dry surface. Apply one or two coats depending on how absorbent the surface is. Consumption is roughly 100-300 g/m<sup>2</sup> per coat.

## APPLICATION PROCEDURE

### PREPARATION OF PRODUCT

Mix the contents of the drum before use. Dilute **ACRIPAIN** with water, at a proportion of 20% for the first coat and 10% for the second. We recommend applying 2-3 coats of this product depending on the absorption level of the substrate.

### APPLICATION

Once the coating of ACRIPRIMER is completely dry (approx. 30 minutes at 20°C) you can apply the **ACRIPAIN** protective coating manually using a brush, roller or low-pressure spray. The subsequent coats must only be applied when the previous one is completely dry (approx. 2 hours at 20°C). Tools should be cleaned after use with water before the product dries.

## WARNINGS

- ▶ Do not apply the product in the presence of high humidity or fog or when rain is forecast.
- ▶ Do not dilute with solvents. Do not apply on concrete that has been cured for less than 28 days.
- ▶ Avoid contact of the skin, mucous membranes and eyes with resin, in the case of contact, wash thoroughly using soap and water.
- ▶ Any moisture on the substrate may impede the proper bonding of the adhesive.

**WARNING:** Due to the nature of the product, it is not possible to ensure a perfect matching of colours from different production batches. Nonetheless, this does not affect in any way the characteristics and performances of the product. It is recommended to use only colours from the same production batch on adjacent surfaces. To avoid any colour differences, verify that both the colour and the batch are correct before applying the product. Failing to respect the induction and application times may cause differences in the finish in terms of colour and degree of gloss. Some warm colours like red, orange and yellow and some cold colours like blue and violet have a lower covering power and may require more coats than neutral colours in order to obtain the right final result.

## PACKAGING AND STORAGE

ACRIPAINT is packaged in:

- 20 kg drum

Each package is marked with a manufacturing code (lot) which identifies the manufacturing plant and the period of manufacture. If kept in its original packaging and properly stored under cover in a dry place, at a temperature no less than +5°C and no more than 35°C, the product maintains its characteristics for a year.



### PRECAUTIONS IN HOT CLIMATES

- ▶ Store **ACRIPAINT** away from direct sunlight;
- ▶ Carry out the work in the cooler hours of the day;
- ▶ Do not use the product when the ambient temperature is higher than 35°C.



### PRECAUTIONS IN COLD CLIMATES

- ▶ Protect **ACRIPAINT** from frost;
- ▶ Do not use the product at temperatures below 5°C;
- ▶ Start the work in the warmer hours of the daytime.

## PRODUCT CHARACTERISTICS

APPEARANCE	Liquid
COLOUR	Grey-white (other colours available on request)
DEGREE OF GLOSS - UNI EN ISO 2813	Dead matt < 10
DENSITY – UNI EN ISO 2811	1.450 kg / l
DRY MATTER CONTENT - UNI EN 480-8	45%
PACKAGING	20 kg drum

## APPLICATION DATA 20° C - 65% RH

DILUTION	max. 20%
VISCOSITY - UNI EN ISO 3219 AT 20° C	2200 mPa·s
ASH CONTENT - UNI EN ISO 3451-1	65%
POT LIFE - UNI EN ISO 9514	240' (skin)
SETTING TIME	approx. 12 hours (20° C - 50% RH)
APPLICATION TEMPERATURE RANGE	+5° C to +35° C
MAXIMUM TEMPERATURE OF USE	80° C
WAITING TIME BETWEEN COATS	2 hours
CONSUMPTION	<ul style="list-style-type: none"> <li>• 1,48 kg/m<sup>2</sup> ca. per mm of thickness</li> <li>• 180 ÷ 250 g /m<sup>2</sup> (consumption per coat)</li> <li>• 400 ÷ 500 g/m<sup>2</sup> (minimum consumption recommended)</li> </ul>

**FINAL PERFORMANCE** IN COMPLIANCE WITH THE MINIMUM REQUIREMENTS PRESCRIBED  
 IN EN 1504-2 COATING (C) IN ACCORDANCE WITH PRINCIPLES PI (METHOD 1.3) – MC (METHOD 2.2)

CHARACTERISTICS	TEST METHOD	MINIMUM REQUIREMENTS	PRODUCT PERFORMANCE
<b>BOND STRENGTH BY PULL OFF</b> concrete MC 0.4 according to EN 1766	UNI EN 1542	For stiff systems with no traffic $\geq 1 \text{ N/mm}^2$	Meets specification
<b>CAPILLARY ABSORPTION AND IMPERMEABILITY TO WATER</b>	UNI EN 1062-3	$w < 0.1 \text{ kg/m}^2 \cdot h^{0.5}$	$< 0.1 \text{ kg/m}^2 \cdot h^{0.5}$
<b>WATER VAPOR PERMEABILITY</b> equivalent air layer thickness $S_D$ (m)	UNI EN ISO 7783-2	Class	Class I - $S_D < 5 \text{ m}$
<b>PERMEABILITY TO CARBON DIOXIDE CO<sub>2</sub></b> diffusion equivalent air layer thickness $S_D$	EN 1062-6	$> 50 \text{ m}$	$S_D > 50 \text{ m}$

**Legal notice** - SLCMP version dated 01.03.2017

In the technical specifications herein, Draco Italiana s.p.a. used the indicators therein specified, with the relevant standards.

Please check if this Sheet and the figures therein contained apply to the product batch you are interested in or if they have been overridden by any later release. If in doubt, check whether this Sheet matches the one applicable at the time of finalising the sales agreement, at [www.draco-edilizia.it](http://www.draco-edilizia.it), and/or contact our Engineering Department.

No advice provided by our staff, either verbally or in writing at your request, about the potential applications of the Products shall be binding under the sales agreement or shall be considered an integral part of the agreement. Such advice is based on our experience and on the best available practical and/or scientific knowledge; as such, it shall not be binding or conditional on the buyer or user. Please try our products first to find out whether they are fit for your intended use or application; in any case, you shall be solely responsible for your choice.