TECHNICAL DATA SHEET

RIPLAST E89
Two-component acrylic paint

FEATURES

Two-component, non-yellowing, glossy, outdoor-resistant acrylic paint catalysed with aliphatic polysocyanate. Can be used on various substrates such as wood, iron, concrete, light alloys, polyurethane, acetate, ABS, polycarbonate, marble.
Smooth glossy appearance.

USAGE

Directly on light alloys, polyurethane, acetate, ABS, polycarbonate, concrete, marble, provided they are perfectly clean, and on wood. It is also used to increase the protection of poorly weathered paintwork (e.g. metallic finishes).
Adding up to 20% by weight of *Texturising Paste* on *Riplast E89* improves abrasion and slip resistance.

PRODUCT PROPERTIES

	VALUE	METHOD
ABRASION AND SCRATCH RESISTANCE	EXCELLENT	
RESISTANCE TO WASHING AND STAINS	EXCELLENT	
FULLNESS	DISCRETE	
WEATHERING AND UV RESISTANCE	EXCELLENT	
ELASTICITY	GOOD	
IMPACT RESISTANCE	GOOD	
DRY RESIDUE BY WEIGHT	Riplast E89 32-36% Induritore poliuretanico MS 36-40% Induritore PUR 301 36-40%	Internal PF25
DRYING	To the touch 8h; Complete 18h	Internal PF2

SPECIFICATIONS

	VALUE	METHOD
SPECIFIC WEIGHT	950-1050 g/l	Internal PF3
GLOSS	88-98	Internal PF6
POT-LIFE	45 min	Internal PF7

STORAGE

The product must be stored in the original containers at a temperature between +5°C and +30°C. The hardener fears moisture: you should check that, once started, the jar is hermetically sealed and that the volume of air does not exceed 1/3 of the total volume. If this is not the case, use it within a short time or decant the product into a smaller jar.

COLOUR

Colourless.

TOOLS

Spray, Brush, Roller

MIXING RATIO

100 *Riplast E89* - 50 *Ind. Poliuretanico MS/PUR301* by weight and volume (ideal for spray applications)

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DILUTION	Spray: 10-15% by weight with Nitro NV 5000 or Diluente Butol Brush, Roller: ready to use.
YIELD	7.7-9.1 m^2 /l per layer
APPLICATION TEMPERATURE	+5°C +30°C
SURFACE PREPARATION	The treatment of the surface to be coated is of primary importance and has an impact on the performance of the coating cycle. Good and correct preparation of the substrate is a guarantee of quality over the life of the coating: a high quality product applied on a poor substrate or on a substrate that has been treated inadequately is destined to premature wear and tear, characterised by possible deterioration of the coating itself.
PAINTING SYSTEM	**Wooden artefacts with glossy finish inside - New wood** 1. Sand first with 80-grit sandpaper and then with 150-grit sandpaper; 2. If necessary, tint with a solution of *Arol* in water or acetone; 3. After 10-20' apply a layer of *Riplast F47-F48* with consumption of 120-140 ml/m^2 ; 4. After 12h, brush or sand with 180-220 grit sandpaper and apply a coat of *Riplast E89* with consumption of 110-130 ml/m^2 . **Maintenance** Sand to wood and continue from step 2. *Riplast F47-F48* can be replaced by: – *Riplast F2-F3* (for open pore, less elastic, more sandable) – *Riplast F307-F308* (less elastic, faster) On wood with a low specific weight, such as spruce, stone pine, pine, *Riplast F47-F48* is preferred as a primer, to ensure greater impact resistance. *Riplast E89* can be replaced by: – *Riplast F69-F70* for semi-gloss finish – *Riplast P120-P121* for matt finish – *Riplast P71-P72* for very matt finish **Wooden artefacts with an external polished finish - New wood** 1A Sand first with 80-grit sandpaper and then with 150-grit sandpaper; 2A Apply one layer of *Riplast E89* with consumption of 110-130 ml/m^2 ; 3A After 18h, brush or sand with 180-220 grit sandpaper and apply a coat of *Riplast E89* with consumption of 110-130 ml/m^2 . **Maintenance** Sand to wood and continue from point 2A.

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Concrete artefacts
General considerations:
for the work to be successful, the surface must be free of previous treatments and cleaned of pollutants of various kinds such as dirt, oil, grease and salts using industrial-grade alkaline detergents (washing, rinsing and collection of rinse water).

New concrete
The substrate must be finely finished and cured (100 days), with moisture content <5%, the surface must be free of dust and imperfections, and no cement slurry must appear.
Compressive strength: > 250kg/cm^2
Tensile strength: > 150 kg/cm^2
Porosity: pour water on the surface; if absorbed it can be painted otherwise treat with the descaling agent Concrete Capgel and after a few minutes rinse thoroughly and abundantly, taking care to collect the water.
Treatment with Concrete Capgel can also be carried out on damp surfaces that have just been cleaned with alkaline detergent. Once the operation has been completed, you can proceed with the application of anti-dust after a minimum of 24 hours after measuring the humidity of the floor, which must be less than 5%.
Alternatively, a porous surface can be created by mechanical abrasion using a shot peening machine or milling cutter; before applying the product, make sure that the surface is free of processing dust (suction).

If there are cracks: widen with abrasive grinding wheels and fill with epoxy filler filled with sand and/or cement.

1. Apply one layer of *Riplast E89* with consumption of 110-130 ml/m^2 .
2. After 18 h, apply a second coat of *Riplast E89* with consumption of 110-130 ml/m^2

Iron artefacts, light alloys, polyurethane, acetate, abs, polycarbonate, marble
Sand lightly with P180-P220 sandpaper. Clean the surface to be treated well with Nitro NV 5000 thinner and make sure it is dry and free of silicone, waxes, grease and foreign substances in general. The ironwork must be free of rust before applying the product.

1. Apply one layer of *Riplast E89* with consumption of 110-130 ml/m^2 .
2. After 18 h apply a second coat of *Riplast E89* at a consumption of 110-130 ml/m^2

Products can be applied using the different methods marked on the corresponding sheets.

SPECIFICATION ITEM

Non-yellowing, glossy, aliphatic polyisocyanate-catalysed two-component acrylic paint for direct use on iron, light alloy, polyurethane, acetate, ABS, polycarbonate, concrete, marble substrates, to increase the protection of poorly weather-resistant paints such as metallic finishes, on wood indoors treated with polyurethane primers, with average consumption of 120 ml/m^2 and on wood outdoors, directly with average consumption of 240 ml/m^2 .

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WARNINGS

In order to carry out the work in a workmanlike manner, it is essential to follow the instructions for surface preparation contained in the CAP Arreghini book, the application cycle and the technical data sheet.
The technical information contained herein is of an indicative nature. It should be adapted to the specific conditions of use. The specification data and technical information were determined at +23°C with a relative ambient humidity of 65%. Under different conditions, data and times between operations vary.
Our advice on the use of the product is based on our own observations and careful research. Experience gained in practical application has also been taken into account. However, due to the enormous variety of substrates and application conditions, it is essential to check the suitability of the product for use and its effectiveness by means of tests carried out on the specific application.

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