

## 64510001 POLICRIL DTM LUCIDO BASE NEUTRA

### two-component acrylic enamel for direct application to metal



A two-component polyacrylic enamel used as a single coat directly on metal in painting cycles where high resistance to outdoors conditions is required, in addition to excellent durability. Contains zinc phosphate as an anti-corrosive pigment.



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<b>Date of revision</b>	02/03/2020
<b>Composition</b>	A two-component product with a polyurethane acrylic resin base and an aliphatic isocyanate hardening agent, with chemical cross-linking.
<b>Main properties</b>	<ul style="list-style-type: none"><li>• versatile and easy-to-apply</li><li>• high resistance to weathering</li><li>• excellent adhesion on metal</li></ul>
<b>Applications</b>	Suitable as a single coat directly on metal or as a top coat in painting cycles for new constructions or for maintenance. The product can be used in a wide variety of environments such as metalworks, mechanical industries and petrochemical plants.
<b>Colour</b>	Can be coloured with the Colormaker Professional tinting system. Colours available on the Colormaker Lab software.

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<b>Technical specifications</b> (data measured at 20°C, 65% R.H.)	<b>Reference</b>	<b>UoM</b>	<b>Value</b>
Specific weight (pycnometer)	C022	g/cm <sup>3</sup>	1.25 ± 0.10 (Coloured)
Ford viscosity cup no. 8	C076	s	20 ± 3 (Coloured)
Gloss 60° (instrumental control)	C005	GU	80 ± 5
Dry residue by volume (A+B)		%	42 ± 2 (Coloured)
Adherence	ISO 2409	%	0 (zero) standardised support type Q- Panel Type S Ground
Recommended DFT	ISO 2808	microns	50–70
Recommended wet thickness		microns	120–165
Theoretical coverage Practical coverage		m <sup>2</sup> /l	6–8 at the recommended thickness. Consider an appropriate loss factor

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#### Method of use

- . Surface and application conditions      Ambient temperature min. +5°C / max. +35°C and R.H. < 80%.  
Temperature of the support min. +5°C / max. +35°C and at least 3°C above the dew point.



## Precautions and warnings

- make sure that no catalysed product remains inside the spray gun or in the painting system;
- once the pot life of the product is over, the product is no longer usable;
- only the specified thinners must be used; see Section on the Technical Data Sheet "Use" under the item Thinner. The use of other solvents, especially for recovery, may impair the chemical-physical characteristics of the varnish film;
- try to prevent condensation effects during or immediately after application (including weather conditions), to ensure that the varnish film forms correctly;
- do not apply thicknesses of more than 100–110 microns DFT for each coat, to avoid the formation of superficial defects;
- this product cures with difficulty below 5°C; for the best varnish film performance, temperatures above 10°C are recommended;
- if you wish to paint over POLICRIL DTM LUCIDO BASE NEUTRA that has exposed outdoors for a long time, make sure you remove any dirt and/or contaminants; depending on the chosen coating cycle, sanding may be required,
- POLICRIL DTM LUCIDO BASE NEUTRA attains its maximum chemical and physical performance upon the final polymerisation (see "Hardening times" table);
- 94200300 Catalyst is sensitive to humidity. Even minute traces of water will reduce their duration and cause defects in the coating film.

## . Cleaning of equipment

Clean the equipment immediately after use with one of the following thinners: Diluente per Polidur 93200013 or Diluente Nitro 92100012.

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## Surface preparation

### IRON - STEEL

The surface should be clean, dry and free from contaminants. Before applying any coating product, one should first assess the most appropriate treatment in accordance with ISO 8504:2000.

Oil and grease must be removed in accordance with SSPC-SP1 (cleaning with solvents).

**Sandblast** the surface with appropriate abrasives at grade Sa 21/2 (ISO 8501-1:2007) or SSPC-SP10 - NACE No. 2.

We recommend a roughness profile (Rz) of 35–50 µm (ISO 8503-4:2012).

If any rusting occurs between sandblasting and application, repeat the sandblasting.

For moderately aggressive environments or for maintenance work, **brush** with a machine tool to grade St3 (ISO 8501-1:2007).

### GALVANISED STEEL

The surface should be clean, dry and free from contaminants. Before applying any coating product, one should first assess the most appropriate treatment in accordance with ISO 8504:2000.

Oil and grease must be removed in accordance with SSPC-SP1 (cleaning with solvents).

Sandblast, brush or sand the surface.

## Application cycle

Apply one or two coats directly to the prepared surface.

It can also be applied on epoxy or polyacrylic primers (series 6120 Epotec, 6126 Epogard HS, 6223 Policril Primer).

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C.o.e. SM00026  
Fully paid-up share capital € 3,000,000.00  
Legal title  
no. 26 dated 20 May 1944



**Compatibility of cycles**

POLICRIL DTM LUCIDO BASE NEUTRA can be coated over with itself. For further details, contact the Colorificio Sammarinese S.p.A. Technical Support Service.

**Storage**

Store at +10°C to +30°C in a dry place. The product and catalyst can be stored for up to 12 months in their original packaging. After this time, you must check the condition of the product.

**Warnings and safety**

This product is provided only for professional use and for professional applicators. We recommend always referring to the product Safety Data Sheets for details relating to health and safety and for the storage and disposal rules.

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This information is the result of our practical experience but is purely indicative. For more detailed information, please contact our technical support service. This sheet cancels and substitutes any previous editions.

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