

1705 PU BASIC LUCIDO

TWO-COMPONENT GLOSSY INDUSTRIAL
POLYURETHANE ENAMEL



Industry



Two-component



Spray

Description and Use

Two-component glossy polyurethane finish.

Suitable for painting cycles on agricultural machinery, metal structures, industrial products.

It can be coloured using the ADVANCE HT tinting system.

Substrate preparation

IRON SURFACES:

- Remove any trace of rust, iron scale, grease and moisture by sand-blasting SA2.5 grade; otherwise, carry out a careful mechanical cleaning followed by solvent degreasing.

Then apply FONDO R.E. BASIC item code 1918 or FONDO EP BASIC item code 1917.

GALVANIZED STEEL:

- Carefully clean off any debris and oxidation, degrease thoroughly with organic solvents and apply FONDO EP BASIC.

ALUMINIUM AND LIGHT ALLOYS:

- Chromate or phospho-chromate conversion coating, otherwise light sanding followed by degreasing with organic solvents; then apply FONDO EP BASIC.

Application

Application method:

- air mix spray gun with nozzle Ø 1.2-1.5 mm and pressure of 3-4 bar.

Product preparation:

Thoroughly mix the product until obtaining uniform colour and consistency. Then mix with component B item code 1919 INDURITORE PER PU BASIC in the ratio of 100:40 by weight.

dilute with 1611 DILUENTE EXTRA PU by weight at 5-10%.

Storage life

If stored in a cool, dry place, away from sources of heat and sheltered from sunlight, in its sealed original packaging, the product has a shelf life of 24 months. Check the product's shelf life by referring to the production batch number shown on the packaging. The batch number is made of eight numeric characters in which the first four digits identify the year and month of production. Once the product has expired, it must be disposed of in accordance with the current legislation.

Technical features

Colour	see price list
Type of product	two component
Appearance of the dry film	glossy
Gloss	85-95 gloss (GU 60°)
Pot-life	3 hours. At higher temperatures pot-life decreases.
Specific weight **	1.03-1.21 kg/l
Viscosity **	100-150" ISO-DIN Cup 6
Recommended thicknesses	40-50 µm dry film
Practical cover rate *	6-8 m²/kg (2 layers)
Air drying (20°C and 65% R.H.)	30-40 minuti, dust free
	4-6 hours, handling
	24-36 hours, through drying
Maximum chemical resistance	after 7 days
* The cover rate is calculated on the suggested thickness and applied on plane and regular surfaces.	
** May change according to the colour.	
The data are measured at a temperature of 20°C.	

Warnings

- **Exclusively for use not restricted from Directive 2004/42/EC.**
- For industrial use only.
- During application, it is recommended to follow the thicknesses specified for each single coat.
- Otherwise, and especially in case of high environment temperature, blisters may come up on the film surface.
- Do not apply the product after the specified pot life, as the film that forms may have poor adhesion to the substrate.
- Always read the safety datasheet before use.
- Solvents or thinners used for cleaning tools, as well as any product residues, must not be released into the environment or poured down domestic drains. The recipient/product/thinner or cleaning solvent must be disposed of in accordance with national regulations.
- It is recommended to acquire all the material required to finish the work of the same batch.
- The information provided on this technical datasheet is based on our technical and practical knowledge and experience. The technical data refer to the average characteristics of the basic product and are determined under controlled laboratory conditions. The variability of the raw materials available on the market and the tinting of the product can lead to slight deviations in the declared values, in the colour and in the aesthetic effects obtained. It is therefore necessary for the purchaser/user to personally verify, before application, the suitability of the product for the intended use, in particular when different batch numbers of the same material are used in the same work/site.

The above mentioned data are meant to facilitate our customers in the use of our products. IMPA is not responsible for applications of products carried out beyond its direct control. For further technical information about specific systems and/or special applications, please contact our TECHNICAL SERVICE at assistenza.technica@impa.it.