
Name **BINDER ALKYD SATIN**
Definition: **Synthetic enamel**
Code: **3G.3.K5**

Category: **high performances monocomponent paint**
V.O.C (ready to use): **500 g/l**
Product according to 2004/42/CE

NATURE OF THE PRODUCT

One-pack glossy anticorrosion enamel based on synthetic resins. Indicated for iron surfaces new or old, also with presence of rust traces. It might be also used on wood. The film of paint stays elastic and with good adhesion even after a long outdoor exposure.

GENERAL USES

Product for general use, furnishing, carpentry, machines tools, etc.

APPLICATION METHOD

PREPARATION OF SURFACES

The cleaning of the application surface should be total and painstaking and it is a fundamental condition to obtain positive result of the painting cycle.

- **Ferrous surfaces:** remove carefully all traces of grease and moisture by degreasing using thinners. Apply 1 or two coats of primer 7I.2 o 7I.4. When the air-drying of the primer is complete (generally within 24 hours), proceed with the application of the topcoat. The synthetic enamel can be used also direct to metal, but in this case, it is necessary apply at least two coats (better three), with 4-12 hours between the coats, in a way to obtain a dry film of minimum 80 microns.
- **Aluminum and zinc plated:** it is useful apply a coat Wash Primer 4I.9. as adhesion promoter. Overcoat the primer with 3G.3 within 30'-1 hour to get a better result.
- **Wood:** apply an appropriate sealant polyurethane primer (or other kind of sealant) in one or two coats. After drying scratch, it with 180/220 grade abrasive paper and the overcoat in one or two coats.

PREPARATION OF THE PRODUCT

Carefully mix until an even color and consistency are obtained. Dilute with our thinner 0G.005 in a percent of 5-10%. For spray gun application the dilution can arrive at 25%.

APPLICATION¹

Spray gun: Nozzles of 1,4-1,6 mm. diameter and 2,5-3 atm.
Brush/roller Suggested dilution with 0G.005 to optimize the
levelling behavior

TECHNICAL DATA

PRODUCT TYPE: One pack product
APPEARANCE (ASTM D 523)²: Semimatt (40±10 gloss).
COLOURS: By request (the binder 3G.3.K5 has to be used in a ratio 80/20 with the tintometric system)

¹ Minimum temperature for the application: + 10° C.

² With an high level of humidity and low air ventilation, the drying time could be longer.

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SPECIFIC WEIGHT (ISO 2811):	1.2 ± 0.07 kg/l
SUPPLY VISCOSITY:	105KU at 25°C
SOLID ON VOLUME:	50% (± 2%)
SOLIDS CONTENT:	62% (± 2%)
DRYING AT 20°C	Dust dry: 60' Touch dry: 4 hours Total hardening: 24-36 hours Maximum chemical resistance: After 14 days
RECOMMENDED COATS:	One or two
THICKNESS³:	40-80µm
THEORETIC YIELD⁴:	8-10 m ² /kg
REPAINTING⁵:	The product can be repainted wet on wet or within 2 weeks with himself. Otherwise wait 2-3 weeks and then scratch before overcoat. Use only thinners based on white spirit or with a low content of aromatics
STORAGE STABILITY:	One year, stored in closed packs, in a cool, dry place, away from any sources of heat.

³ Considering a dry film.

⁴ The theoretical yield has been calculated for the thickness suggested and over plane and regular surfaces.

⁵ The solvent must be completely flash-off from the film. Preliminary tests are necessary.
