

Name **BINDER EPOXY SEMIGLOSS**
Definition: **Epoxy two pack top coat**
Code: **2A.2.K2**

Category: **high-performance bicomponent paint**
V.O.C. limit: **500 g/l**
V.O.C.ready to use : **500g/l**
Product according to 2004/42/CE

NATURE OF THE PRODUCT

Two-pack epoxy-amino top coat to be mixed before use.

GENERAL USES

Product for machine tools, metal furniture, heavy and light carpentry, is also used for the coating of industrial floors if no special performance is required (heavy loads, drive ability, etc.) excluding simple walkability.

APPLICATION METHOD

PREPARATION OF SURFACES

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

- **Ferrous surfaces.** SA2 1/2 sandblasting or very careful mechanical abrasion followed by degreasing using thinners, then proceed with the direct application of the product or, if preferred with the application of a primer and then the top coat.
- **Galvanized sheet.** Careful sanding (with scotch brite paper) followed by degreasing using thinners.
- **Aluminum.** Chromate or phosphorous chromate treatment or in alternative sanding procedure followed by degreasing using thinners.
- **Concrete:** The surface must be carefully clean, dry, with a humidity rate of less than 4%, (at least 4 weeks), free from oils and/or detaching substances and from rising humidity phenomena. In the case of new and absorbent surfaces, eliminate any surface dustiness by acidic washing or brushing. ¹

Apply a first coat of epoxy primer Epoxy binder 2I.3.K1. Within 24 hours apply the epoxy top coat. In the case of application on cement support for the realization of pedestrian surfaces, it is recommended the preventive application of a hand of epoxy insulation 2I.1.00001, in order to saturate and consolidate the support itself.

PREPARATION OF THE PRODUCT

	code	Name	By Weight	By Volume
Component A	2A.2.K2(TINTED)	Epoxy Semi-Gloss	100 parts	100 parts
Component B	0B.120	Epoxy standard type	20 parts	33 parts
Component B ²	0B.150	Epoxy quick type	20 parts	33 parts

Carefully mix until an even color and consistency are obtained. Diluted at 10-15% with our thinner 0G.006 in order to obtain a viscosity of pedestrian surfaces 20-25" Ford 4.

¹ The product is completely waterproof to water also after possible disintegration, due to exposure to the outside: for this reason, the support must be perfectly insulated to avoid infiltration from underground.

² This hardener may result a slight surface haze with a decrease of the final gloss.

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APPLICATION

Airmix: nozzles of 1,8-2,2 mm. diameter and 1-2 atm. pressure.
Airless: 0,09 inches nozzles, 180-240 bar
Roller or brush: Only for big surfaces

TECHNICAL DATA

PRODUCT TYPE: Two pack product
FILM APPEARANCE (ASTM D 523): Semi glossy 70±5 gloss
COLOURS: By request (utilizing the binder 2A.2.K2 in 80/20 ratio with the tinters of the solvent base tinting system).
SPECIFIC WEIGHT (ISO 2811): A: 1,56 kg/l (± 0,08)
SUPPLY VISCOSITY (DIN 53211): 18"±3" Ford 8
SOLID ON VOLUME: 51% (± 3%) A+B
SOLIDS CONTENT: 67% (± 5%) A+B
DRYING AT 20°C
Dust dry: 30-40' Touch dry: 5-6 hours
Total hardening: 36 hours Forced drying³ 45' at 60°C

Maximum chemical resistance: After 7 days
RECOMMENDED COATS: One crossed coat.
THICKNESS: 50-60 µm.
THEORETIC YIELD: 8 m²/kg
POT-LIFE AT 20° C: 8 hours, at higher temperatures the pot-life decreases.

³ Baking the product can change the final gloss result, it could result more matt, and also the final color can result more yellow.

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REPAINTING: Within 24 hours. After the complete hardening of the film, it is better a light sanding before overcoating.

STORAGE STABILITY: Two years in closed packs, in a cool, dry place, away from any sources of heat.