

Technical data sheet

**Series 112W**

**KW112**

**EPOLAK SEMIGLOSS WB**



1000 gr +  
500 gr +  
100 - 200 gr



40" - 60" FORD 4  
at 20 °C



Application  
by roller



Ø 1.4 - 1.8 mm  
4 - 5 Atm  
N° of coats 2



At 20 °C: 24 - 48 h  
At 60 °C: 40' - 60'



Protect from frost

**NATURE OF PRODUCT:**

Waterborne half-glossy epoxy finish two-components

**Properties:**

- Excellent chemical resistance
- High surface hardness
- Excellent adhesion

**FIELD OF APPLICATION:**

Epoxy finish product for general use in industry.

Can also be applied to industrial floors, with special resistance to trampling.

Applicable directly on iron, aluminum, galvanized iron and light alloys, limited to applications for internal use.

**RECOMMENDED PRIMER:**

Water-based epoxy or acrylic primers.

**PREPARATION OF THE SUBSTRATE:**

Water-based paint products, because of their very low organic solvent content, are characterized by poor substrate wettability, which is much less than that of conventional solvent-based products.

Therefore, the presence on the substrate of substances, such as grease, oil, grease and dirt (and of course, for other reasons, rust and calamine) is not tolerated.

Cleanliness of the substrate is a necessary and fundamental condition so that the outcome of the painting is successful.

**Iron:** SA2 grade sandblasting. Alternatively perfect mechanical cleaning of the substrate by sanding with removal of rust, calamine and subsequent cleaning by degreasing with aqueous solutions or solvents.

**Galvanized sheet:** Thorough buffing or sanding, followed by degreasing with solvents.

**Aluminum:** Mechanical cleaning by sanding, followed by degreasing with solvents.

**Concrete Floors:** On concrete, remove dust and any traces of oil or grease.

**Concrete surfaces built at least four weeks ago:** Always check residual moisture content ( $\leq 3\%$  by weight) before painting. Moisture could also rise from the base by capillarity. Perform, the "plastic sheet test" (2m x 2m polyethylene sheet taped to the concrete surface to be painted). The sheet must remain in place for at least 24

hours, so any rising vapor that would condense on the sheet can be detected.

In the case of particularly smooth surfaces (resulting from finishing treatments, for example, with a concrete helicopter), it is recommended to roughen (with processes such as grinding, sanding, sandpapering, etc.) and eliminate any kind of contamination (fats, oils, acids, cracks, cavities, etc.) that may preclude or affect paint adhesion.

## PREPARATION OF THE PRODUCT:

Comp. A: **KW112 + Water-based Tinters – PW** 100 parts by weight

Comp. B: **CZW140** 50 parts by weight

**Before mixing Component A and Component B, it is recommended to mix them well individually and then thoroughly mix the two components together.**

For applications on concrete, proceed with the first coat well thinned so that it penetrates well into the pores of the concrete. After 3 to 4 hours maximum proceed with the second, thicker coat to cover.

## PRODUCT SPECIFICATIONS:

<b>TYPE OF PRODUCT</b>	: Epoxy finish WB
<b>APPEARANCE</b>	: Semigloss
<b>COLOUR</b>	: On request
<b>SPECIFIC WEIGHT (Comp.A)</b>	: 1,35 Kg/l (± 0,05)
<b>SUPPLY VISCOSITY</b>	: Thixotropic
<b>SOLID % - VOLUME (A+B)</b>	: 38% (± 2)
<b>SOLID % - WEIGHT (A+B)</b>	: 53% (± 2)
<b>DRYING TIME AT 20 °C.</b>	: - Dry dust-free : 30' - Touch-free : 6 - 7 hours - Complete curing : 24 - 48 hours - Forced Drying : 40' - 60' at 60 °C - Maximum chemical resistance : after 10 days
<b>RECOMMENDED LAYERS</b>	: 1 (cross layers)
<b>RECOMMENDED</b>	: 40 - 50 µm
<b>THEORETICAL YIELD <sup>(1)</sup></b>	: 7,5 m <sup>2</sup> /Lt or 5,6 m <sup>2</sup> /Kg at 50 µm dry
<b>POT-LIFE AT 20 °C</b>	: 90'. The pot-life decreases at higher temperatures. Under no circumstances should you apply product that has exceeded pot-life limits, as films would not ensure sufficient adhesion and chemical resistance.

<sup>(1)</sup>In 75/25 ratio with **PW900**.

**Recommended application environment conditions: Relative humidity 60% - Temp. +10 °C ÷ 30 °C.**

## APPLICATION INSTRUCTIONS:

-View pictograms Page 1.

## RECOATING:

After complete drying of the product, minimum after 10 hours and within 36 hours. **After 48 hours, light sanding of the film is recommended to ensure good adhesion of the top coat.**

## SAFETY REGULATIONS:

**Water-based products must be protected from frost.**

Strictly follow the instructions on the labeling and in the safety data sheet.

## STORAGE CONDITIONS:

The storage room must be dry and with a temperature between +10 °C and +30 °C.

*The data and information contained in this sheet are the result of our experience and accurate laboratory tests. However, since the painting process represents a set of operations that are beyond our control, they do not therefore guarantee, in any way, the final performance of the cycle.*

**Rev.: 01/24**