Data sheet

Series 723W KW723

WATER-BASED SEMI-MATTE ACRYLIC

1000 gr +
150 gr +
100 - 200 gr

30"- 50" FORD 4
at 20 °C

Ø 1.2 - 1.4 mm
4 - 5 Atm
N° of coats 2

Drying at 20 °C 20'/30'
Curing at 20 °C: 24 hours
Curing at 60 °C: 30' - 40'

Protect from frost

NATURE OF PRODUCT:

Two-component semi-matte acrylic finish based on hydroxylated acrylic resins in an water dispersion with an aliphatic isocyanate adduct to be mixed at the time of use.

FIELD OF APPLICATION:

Product for general purpose applications: furniture, machine tools, industrial bodywork, industrial finishing, plastics, etc.
The product can also be applied directly without primer to metal substrates, limited to products that are not to be exposed outdoors.
For products that are to be exposed outdoors, or if anti-corrosive performance is required, it is recommended that a coat of two-component, water-based epoxy primer (our **193W70121**) or solvent-based (our **193.R7042**).

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 surfaces: Remove all traces of rust, scale, grease and moisture from the substrate by SA2 grade sandblasting or thorough mechanical cleaning followed by solvent degreasing. Apply a coat of two-component, water-based epoxy primer (our **193W70121**) or solvent-based (our **193.R7042**).

Galvanized surfaces: Scour or sand. Degrease thoroughly with organic solvents, apply a coat of two-component water-based (our **193W70121**) or solvent-based (our **193.R7042**).

The product can also be applied on plastics with direct adhesion. However, a preliminary adhesion test is recommended because of the wide variety of products on the market.

PREPARATION OF THE PRODUCT:

Comp. A:	**KW723 + Coloring pastes PW**	100 parts by weight
Comp. B:	**CZW707**	15 parts by weight

Thoroughly mix Comp. A until uniform color and consistency, then dose Comp. B and mix the two components well (possibly with low-speed stirrer) before dilution.
Dilute by adding water to the desired viscosity best suited to the application system, then carefully mix again.

PRODUCT SPECIFICATIONS:

TYPE OF PRODUCT	: Two-component;	
APPEARANCE OF THE FILM	: Semi-matte 25 (± 5) Gloss 60 °C	
COLORS	: On request	
SPECIFIC WEIGHT Comp.	: 1,32 Kg/l (± 0,05)	
SUPPLY VISCOSITY	: 90" (± 15) FORD 4 20 °C (± 5)	
DRY RESIDUE	: 58% (± 2)	
DRYING	: - *Dry dust-free*	: 20' - 30' at 20 °C
	- *Print-free*	: 3 - 4 hours at 20 °C
	- *Complete curing*	: 24 - 36 hours at 20 °C
	- *Forced Drying*	: 30' - 40' at 60 °C
	- *Maximum chemical resistance*	: after 14 days
RECOMMENDED LAYERS	: Two single coats	
RECOMMENDED	: 50 - 60 µm	
THEORETICAL YIELD [(1)]	: 10,3 m^2/Lt or 7,6 m^2/Kg at 50 µm dry	
POT-LIFE AT 20 °C	: 45' to 2 hours depending on color. 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.	

[(1)] In 80/20 ratio with **PW900**.

RECOATING:

Wet-on-wet at most after 4 to 6 hours. **After complete curing of the film, light sanding is recommended to ensure good adhesion of the top coat.**

SAFETY REGULATIONS:

Water-based products musy 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.: 09/22