

EFACombi PU - 434- 435

Fast-curing 2 component polyurethane one-coat

PRODUCT DATA

Information	Value
Volume solids	70 +/- 2%
Gloss	EFACombi 434 - Semigloss. EFACombi 435 - Glossy.
Mixing rate	7 : 1.
Potlife	2 hrs.
VOC content	275 g/l.
Recommended dry film thickness	60-150 µm.
Theoretical spreading rate	60 µm - 11 m ² /l. 150 µm - 4,5 m ² /l.
Density	1,25 - 1,35 kg/l.
Shelf life	12 months.
Storage	Frost-free.
Hardener	0610-21006



PRODUCT DESCRIPTION

Unique fast curing 2 component polyurethane, high volume solids – long potlife. The paint film contains anticorrosive pigments and can be applied direct to metal.

Inteded use:

Ideal for use as one-coat (primer/finish) system direct to metal corrosivity environments C2 and C3 acc. to ISO 12944-2 2018 or as a topcoat in corrosivity category C4 and C5 (ISO12944-2)

Features:

Unique combination of long potlife and fast curing time. The paint film has excellent chemical resistance and adhesion to metal, and withstands sunlight and UV radiation. EFACombi PU is preset to electrostatic application. EFACombi PU is available in a wide range of colors - RAL, NCS, BS and other standards, and can be delivered in 3 gloss levels.

Pretreatment:

To ensure optimal adhesion it is crucial that the surface is prepared properly. All surfaces to be coated should be clean, dry and free from contamination. Prior to application all surfaces should be assessed and treated in accordance with ISO 12944-4.

Substrate	Recommended pretreatment
Steel	Sa 2½ (ISO 8501-1).
Roughness profile	Medium (G) (ISO 8503-2).
Stainless steel	Blasting or grinding with a non-metallic abrasive.
Aluminum	Blasting or grinding with a non-metallic abrasive.
Galvanized steel	Sweep-blasting or grinding with a non-metallic abrasive. Use mist-coat technique to avoid poppings.
Painted surfaces	To be cleaned and grinded.
Chemical pretreatment or other surfaces	Contact EFAPaint A/S on +4576128600 or email: info@efapaints.dk.

Instructions for use:

The paint must be stirred properly before use.

NOTE: Substrate temperature during application and curing should be at least 3 °C above dew point. Relative humidity during application and curing should not exceed 85%.

Curing agent to be added in the mixing ratio 7:1 – and mixed thoroughly with power agitator.

If necessary, the viscosity can be adjusted by adding EFAPaint thinner 0600-21072.

Don't use any other thinner than EFAPaint thinner 0600-21072.

Application – Conventional, Airless, Airmix

Conventional	Recommended viscosity (Din 4) 0 25-35 sec.
Airless	Recommended pressure 200-300 bar.
Airmix	Recommended pressure 75-100 bar – adjust with airpressure.
Tip size	Recommended tip range 13"-17".
Cleaner	EFAPaint thinner 0600-21072.
Brush/roller	No thinner needed.

Curing:

Please note that the curing time at temperatures below 20 °C will be extended if the paints temperature is below 20 °C as well.

Curing time for DFT up to 120 µm

Substrate temperature	Dry to touch	Dry to handle	Fully cured
10 °C	2 hrs.	4 hrs.	8 days.
20 °C	1 hrs.	2 hrs.	4 days.
30 °C	30 min.	1 hrs.	2 days.

Recoating Interval for DFT up to 120 m

Time	10 °C.	20 °C.	30 °C.
Minimum	4 hrs.	2 hrs.	1 hrs.
Maximum	Extended.	Extended	Extended.

Temperature and Pot life

Paint temperature	Potlife
10 °C	4 hrs.
20 °C	2 hrs.
30 °C	1 hrs.

Note:

This information is based on our present state of knowledge and is intended to provide general notes on our products and their use. It should not, therefore, be construed as guaranteeing specific properties of the product described or its suitability for a particular application. The quality of our products is guaranteed under our General Conditions of Sale.