

TECHNICAL DATA SHEET

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Name of product:

EFAguard PU 446 primer

Type of product: 2-pack acrylic/polyurethane paint containing zinc phosphate, an anti-corrosive pigment. Mix 10 : 1 (volume) with PU hardener 0610 84150 before use.

Application: Anti-corrosive priming of steel. A primer that improves adhesion on light alloys or galvanized steel.

Properties: Quick drying. When top coating with EFAtop PU 440 enamel, this primer prevents the enamel from sinking into the primer. Good resistance against chemicals.

Solids: 64 weight % 45 vol. % Ready to use mixture: Yes

Pre-treatment: Sandblasting in accordance with SA 2½ or chemical pre-treatment in accordance with ISO 8501-1 is recommended.

Application:

Method:	Recommended viscosity:	Thinner:
Conventional spraying	20 - 25 sec. DIN-cup 4 mm	0600-84173
Airless/Airmix	40 - 45 sec. DIN-cup 4 mm	0600-84173

If a slow thinner is required, PUR-thinner 0600-89137 is recommended. The product is developed for electrostatic application.

2-Pack Products:

Catalyst	Mixing ratio (volume)	Pot life
0610-84150	10 : 1	7 hours 20 °C

Drying:

	Drying time	Film thickness - dry
Dust dry	15 minutes 20 °C	30 - 50 µm
Dry to touch	30 minutes 20 °C	30 - 50 µm
Dry to recoat	30 minutes 20 °C	30 - 50 µm
Recoat before	14 day(s) 20 °C	30 - 50 µm
Fully cured	30 minutes 60 °C	30 - 50 µm

System Specification:

Primer	2x EFAguard PU 446 primer	120 µm
Top coat	2x EFAtop PU 440 enamel	80 µm

The above system is in accordance with ISO 12944 class C4.

Recommended coating thickness: Wet film: 90 µm Dry film: 40 µm

Coverage: Theoretical: 11 m²/ltr.

Storage: Frostfree, cool, and closed.

Shelf-life: 24 Months in an unopened container

Note: The total dry film thickness of the PU System must not exceed 200 µm. A higher film thickness may result in flaking. EFAguard PU 546 H₂O primer is our water-borne alternative. EFAguard PU 446 primer is available as a high-build version allowing the application of 80 microns dry film per coat.

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.

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