

# EFDEDUR

## Metal Effectcoat UR1924

- 2-component-polyurethane-metallic-finish paint with solvent
- Good working properties
- Good adhesion on Polyamide
- Very good stream jet resistance

<b>Technical physical data</b>	<b>Resin/ binder</b>	polyacrylic resin to be hardened with isocyanate
	<b>Colour</b>	metallic colour shades
	<b>Gloss value</b> visual	UR1924H= satin glossy UR1924M= mat
	<b>Original viscosity</b> DIN 53211* without hardener	20 to 25 sec. / 4mm cup
	<b>Mixing ratio</b> by weight	UR1924H= 5 : 1 UR1924M= 8 : 1
	<b>Hardener</b> base	EFDEDUR-Hardener HU0001 Polyisocyanate
	<b>Potlife</b> after hardener addition	max. 5 h / 20°C
	<b>Thinner</b>	EFD-Thinner 400320 EFD-Thinner 400500
	<b>Density</b> after hardener addition calculated	1,00 g / ml + / - 0,1
	<b>Solid content</b> after hardener addition calculated	37 % + / - 2
	<b>Solid content in volume</b> after hardener addition calculated	280 ml / kg + / - 10
	<b>Consumption</b> calculated after hardener addition in original viscosity, without application loss	60 to 70 g / m <sup>2</sup> dry film thickness 15 to 25 µm see „Special remarks“

**Storability**      Approx. 9 month in original packings at an ambient temperature of 5 to 25 °C, in case the original packings are tightly closed. Opened packing must be used very shortly. The minimum storage stability of each batch is mentioned on the product label. A storage time beyond the mentioned date doesn't necessarily mean that the material is unusable. In this case a check of the qualities which are important for the respective

---

**Processing and application**

**Application**

Components are to be mixed homogeneously (e.g. with high-speed mixer).

spraying-highpressure: after hardener addition and viscosity adjustment from 16 to 20 sec.  
nozzle: 1,2 to 1,8 mm spraying pressure: 3 to 5 bar

---

**Substrates**

Polyamide, steel, non ferrous metals

---

**Pretreatment**

The substrate must be free of materials which prevent adhesion, e.g. oil, grease, dust and surfactant. According to the requirements we recommend to apply the suited chemical (e.g. phosphatizing, chromating) or / and mechanical (e.g. shot blasting) pretreatment..

---

**Proposal for a coating system**

substrate: Polyamide  
top coat: EFDEDUR-Metal Effectcoat UR1924

---

**Application temperature**

above 10 °C

---

**Drying**

air drying at 20°C

dust dry: after 10 min. (degree of drying 1/ DIN 53150)  
dry to touch: after 10 h (degree of drying 4/ DIN 53150)  
complete dry: after 10 days (swinging beam hardness/ ISO 1522)

oven drying: to 100 °C possible (object temperature)

---

**Cleaning of working equipment**

EFD-Thinner 400500

---

**Advise for safety protection and protection of health**

The usual precautionary measures for ventilation as well as for personal protection are to be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning health protection and environment protection can be read in the corresponding safety data sheet.

---

**Special remarks**

**Resistance**

EFDEDUR-Hardener  
HU0001: Outdoor usage, good light fastness and weather resistance

---

**Test condition**

\*Indication of the delivery viscosity according to DIN 53211:  
DIN 53211 was withdrawn in October 1996. On request the value is available according to DIN EN ISO 2431.

The statements concerning efficiency, drying and caution labelling depend on colour shade  
The values mentioned in this data sheet are based on UR1924HB2540, himalaya grey and hardening with HU0001.

All information is based on a standard climate 20/65 DIN 50014.

For the calculation of the practical consumption loss additions have to be considered.  
Indications to this are the practical experience and advices given in DIN 53220.

All information are based on our product knowledge and experience. To the application we have no direct influence. For further information please don't hesitate to contact us.  
The information mentioned herein are reference values and are not given as specification.