

EFDEDUR

Hydro-Filler WU1460MRU910

- Water based 2K-PUR-Filler
- For glass fabric in a special design
- In the structure with EFDEDUR-Hydro-Paint WU1998

Technical / physical data	Resin/ binder	hydroxy functional acrylate resin
	Colour	white approx. RAL 910 acc. to RAL 840 HR other colour shades on request
	Gloss value visuel	mat
	Original viscosity without hardener DIN 53211*	80 to 110 sec. / 4 mm cup
	Mixing ratio	10 : 1
	Hardener base	EFDEDUR-Hardener HU0934 polyisocyanate
	Potlife	max. 4 h / 20 °C
	Thinner	demin. water
	pH-value	8,1 + / - 0,2
	Density	1,43 g / ml + / - 0,05 after hardener addition calculated
	Solid content	61 % + / - 0,3 after hardener addition calculated
	Solid content in volume	315 ml / kg + / - 5 after hardener addition calculated
	Material usage	160 to 170 g / m ² dry film thickness 50 µm dependent on the fabric absorbency

Storability

Approx. 6 month in original packings at an ambient temperature of 15 to 25 °C, in case the original packings are tightly closed. Opened packing must be used very shortly. Protect against frost. 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.

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Processing and application

Application

Components are homogeneous to mix (e.g. with compressed air mixer).

spraying-airless: after hardener addition and viscosity adjustment to 60 to 80 sec.
spraying-highpressure: after hardener addition and viscosity adjustment to 40 to 60 sec.
by roller/brush: in after hardener addition; possibly water addition of 20%

(For good underground wetting manual processing of the spraying processing is to be preferred!)

Substrates

gypsum hard disk with glass fabric pastes

Proposal for a coating system

substrate:	Gypsum hard disk with glass fabric	
primer:	FREOPOX-Hydro-Filler	WU1460MRU910
top coat:	2 x EFDEDUR-Hydro-Paint	WU1998

Application temperature

above 10 °C

Drying

air drying at 20°C

dust dry:	after 30 min. / 20 °C	(degree of drying 1 / DIN 53150)
dry to handle:	after 12 h / 20 °C	(degree of drying 4 / DIN 53150)
complete dry:	after 28 days / 20 °C	(swinging beam hardness / ISO 1522)

forced drying: up to 70 °C possible (object temperature)

Repair coating

After sanding with the same system.

Cleaning of working equipment

immediately after use: water, lightly dried material on the surface of working tools:
organic cleaners, e.g. EFD-Thinner 400474, totally dried material on the surface of
working tools: only mechanical removal

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

After hardener addition viscosity rise!
With a dry film thickness over 80 µm reaction blisters arise.

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.

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.