

EFDEDUR

Hydro-clear varnish WU1921

- Water based two components clear varnish for wood substrates
- Simple hardening operating
- No yellowness

Technical / Physical data	Resin/ binder	watery polyurethane-dispersion
	Colour	colourless
	Gloss value	glossy
	visuell	semi gloss
		mat
		semi gloss
	Original viscosity	18 to 22 sec. / 4mm cup
	DIN 53211*	
	without hardener	
	Mixing ratio	9 : 1
	(by weight)	
	Hardener	EFDEDUR-Hydro-Hardener HU0918
	base	Isocyanat
	Potlife	max. 4 h / 20°C
	Thinner	tapwater degree of hardness < 15° "deutsche Härte" or demineralised water
	Density	1,05 g / ml + / - 0,01
	after hardener addition	
	calculated	
	Solid content	36 % + / - 2
	after hardener addition	
	calculated	
	Solid content in volume	325 ml / kg + / - 10
	after hardener addition	
	calculated	
	Consumption	120 to 150 g / m ²
	calculated after hardener addition	dry film thickness 30 µm
	in original viscosity, without application loss	see „Special remarks“
	Spreading rate	9 m ² / kg
	calculated after hardener addition	dry film thickness 30 µm
	in original viscosity, without application loss	see „Special remarks“

Storability Approx. 9 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.



Processing and application

Application

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

spraying-high-pressure: after hardener addition and viscosity adjustment to 20 to 25 sec.
nozzle: 1,5 mm spraying pressure: 2,5 bar
by roller/ brush: in original viscosity

Substrates

wood

Pretreatment

The substrate must be free of materials which prevent adhesion, e.g. oil, grease and surfactant.

Proposal for a coating system

substrates: wood
top coat: EFDEDUR-Hydro-clear varnish WU1921
2 to 3 time lays on with intermediate cross section

Application temperature

above 10 °C

Drying

air drying at 20°C

dust dry: after 30 min (degree of drying 1 / DIN 53150)
dry to touch: after 6 h (degree of drying 4 / DIN 53150)
complete dry: after 7 days (swinging beam hardness / ISO 1522)

oven drying: up to 50°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 400429.

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

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 gloss degree. The values mentioned in this data sheet are based on WU1921HRA999 and hardening with HU0918

All information is based on a standard climate 20/65 DIN 50014 and hardening with HU0221.

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.

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FreiLacke

