

EFDEZELL

Lacquer ZK1001

- Containing solvent nitro-combi-lacquer
- For high quality decorative industry lacquer finishes
- Fast surface and complete drying

Technical / Physical Data	Resin/ binder	nitrocellulose / alkydresin combination
	Colour	acc. to RAL 840 HR other colour shades on request
	Gloss value	ZK1001G = glossy > 50 geometry 20°
	DIN 67530 or	ZK1001H = satin gloss 40 to 50 geometry 60°
	DIN EN ISO 2813	ZK1001M = mat 25 to 40 geometry 85°
	Original viscosity	160 to 190 Sek. / 4 mm cup
	DIN 53211*	
	Thinner	EFD-Thinner 400320
	Density	1,1 g / ml +/- 0,2
	calculated	
	Solid content	51 % +/- 5
	calculated	
	Solid content in volume	335 ml / kg +/- 20
	calculated	37 Vol. % +/- 3
	Consumption	70 to 80 g / m ²
	calculated, in original viscosity, without application loss	dry film thickness 25 µm see „Special remarks“
	Spreading rate	12,5 to 14,0 m ² / kg
	calculated, in original viscosity, without application loss	dry film thickness 25 µm see „Special remarks“
Storability	In the original packing at least 18 months, if the original packing is stored closely at 5 to 25 °C. Opened packing must be used very shortly. The minimum durability date of the respective batch is indicated on the product label. A storage beyond the indicated period means not necessarily that the commodity is useless. An examination of the characteristics necessary for the respective targeted application is however essential for reasons of the quality assurance in this case.	

Processing and application**Application**

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

spraying-highpressure: after viscosity adjustment to 20 to 40 sec.

nozzle: 1,4 mm spraying pressure: 3 to 4 bar

spraying-airless: after viscosity adjustment to 60 to 80 sec.

nozzle: 0,33 to 0,38 mm spraying pressure: 100 to 150 bar

Substrates

steel

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: steel

primer: FREIOPLAST-Primer KP1609

top coat: EFDEZELL-Paint ZK1001

Application temperature

above 10 °C

Drying

air drying at 20°C

dust dry: after 20 min. (degree of drying 1/ DIN 53150)

dry to touch: after 2 h (degree of drying 4/ DIN 53150)

complete dry: after 6 days (swinging beam hardness/ ISO 1522)

oven drying: to 50°C possible (object temperature)

Repair coating

with same quality possible - after one day drying process

Cleaning of working equipment

EFD-Thinner 400500

References to the work and health protection

While handling with lacquers the usual precaution measures for ventilation as well as for the personal protection during processing are to be considered. Detailed references to dangerous materials, safety-relevant data and recommendations for the health/ environmental protection can be taken out of the appropriate 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 colour shade.

The values mentioned in this data sheet are based on white paint in gloss adjustment.

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.