

EFDEZELL

Lacquer
ZK1003

- Containing solvent nitro-combi-lacquer
- Screws protection varnish
- 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 visuell	mat	
	Original viscosity	4500 - 6500 m Pas. / Sp. 5	
	Thinner	EFD-Thinner	400320
	Density calculated	1,1 g / ml	+ / - 0,2
	Solid content calculated	55 %	+ / - 3
	Solid content in volume calculated	370 ml / kg	+ / - 20
	Consumption calculated in original viscosity, without application loss	64 to 72 g / m² dry film thickness 25 µm see „Special remarks“	
	Spreading rate calculated in original viscosity, without application loss	14,0 to 15,5 m² / kg 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

Stir up before the use carefully (e.g. with high-speed mixer).

by roller/ brush: in original viscosity

Substrates

steel, stainless steel, aluminium
must be checked - zinc and galvanized substrate

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
top coat: EFDEZELL-Lacquer ZK1003

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 30 min.	(degree of drying 4/ DIN 53150)
complete dry:	after 6 days	(swinging beam hardness/ ISO 1522)

oven drying:	to 50°C possible	(object temperature)
temperature in use:	max. 130°C	(excluded zinc and galvanized substrates)

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

The statements concerning efficiency, drying and caution labelling depend on colour shade. The values mentioned in this data sheet are based on ZK1003MRU301, signal red. 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.