

# EFDEZELL

## Gear-Coating ZK1650H

- Containing solvent nitro-combi-coating
- For indoorcoating of gear

<b>Technical / Physical Data</b>	<b>Resin/ binder</b>	nitrocellulose / alkydresin combination		
	<b>Colour</b>	acc. to RAL 840 HR other colour shades on request		
	<b>Gloss value</b> DIN 67530 and DIN EN ISO 2813	satin glossy	45 to 65	geometry 60°
	<b>Original viscosity</b> DIN 53211*	90 to 110 sec. / 4 mm cup		
	<b>Thinner</b>	EFD-Thinner	400500	
	<b>Density</b> in original viscosity calculated	1,07 g / ml	+ / - 0,05	
	<b>Solid content</b> in original viscosity calculated	42 %	+ / - 1	
	<b>Solid content in volume</b> in original viscosity calculated	265 ml / kg	+ / - 10	
	<b>Consumption</b> calculated in original viscosity, without application loss	90 to 100 g / m <sup>2</sup> dry film thickness 25 µm see „Special remarks“		
	<b>Spreading rate</b> calculated in original viscosity, without application loss	10 to 11 m <sup>2</sup> / kg dry film thickness 25 µm see „Special remarks“		

<b>Storability</b>	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.
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## Processing and application

### Application

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

spraying-highpressure: after viscosity adjustment to 22 to 26 sec. / 4mm  
nozzle: 1,7 mm spraying pressure: 3 to 5 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  
top coat: EFDEZELL-Gear-Coating ZK1650H

### Application temperature

above 10 °C

### Drying

air drying at 20°C

dust dry: after 15 min. (degree of drying 1/ DIN EN ISO 9117-5)  
dry to touch: after 20 min. (degree of drying 4/ DIN EN ISO 9117-5)  
complete dry: after 14 days (swinging beam hardness/ DIN EN ISO 1522)

oven drying: to 80°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 and drying depend on colour shade.  
The values mentioned in this data sheet are based on ZK1650HRU309, oxide red, satin glossy.

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.