

EFDEZELL

Primer ZK1601

- Containing solvent nitro-combi-primer
- Primer for decorative industry lacquer finishes
- Corrosion protection by use of active pigments

Technical / Physical Data	Resin/ binder	cellulosenitrate-acrylatresin-combination
	Colour	acc. to RAL 840 HR other colour shades on request
	Gloss value visual	mat
	Original viscosity DIN 53211*	70 to 90 Sek. / 4 mm cup
	Thinner	EFD-Thinner 400500
	Density calculated	1,1 g / ml +/- 0,1
	Solid content calculated	40 % +/- 4
	Solid content in volume calculated	210 ml / kg +/- 10
	Consumption calculated in original viscosity, without application loss	113 to 125 g / m ² dry film thickness 25 µm see „Special remarks“
	Spreading rate calculated in original viscosity, without application loss	8,0 to 8,8 m ² / 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**

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

spraying-highpressure: after viscosity adjustment to 15 to 25 sec.
nozzle: 1,2 to 1,5 mm spraying pressure: 4 bar
spraying-airless: after viscosity adjustment to 50 to 70 sec.
nozzle: 0,011 inch

Substrates

steel, casting

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: EFDEZELL-Primer ZK1601
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 1 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 nitro-laquer possible

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 ZK1601MP1685, yelow beige.

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.