

EFD

Repair Coating KP1053

- Solvent-base, one component paint
- For repairing small defect like scratches or from the application line
- Fast initial and through drying
- Good adhesion on coated objects
- not for area application

Technical / Physical Data	Resin/ binder	acrylic copolymerisates	
	Colour	to powder coating colours and other colours	
	Gloss value DIN 67530 and DIN EN ISO 2813	to powder coating and other sample parts	
	Original viscosity DIN 53211*	110 to 130 Sek. / 4 mm cup	
	Thinner	EFD-Thinner	400474
		EFD-Thinner	400500
	Density calculated	1,0 g / ml	+ / - 0,2
	Solid content calculated	39 %	+ / - 3
	Solid content in volume calculated	260 ml / kg	+ / - 20
	Consumption calculated in original viscosity, without application loss	190 m ² / kg	dry film thickness 50 µm
	Spreading rate calculated in original viscosity, without application loss	5,3 m ² / kg	dry film thickness 50 µm

Storability	Approx. 18 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. 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 usage is essential due to quality guaranty reasons.
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Processing and application
Application

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

spraying-airless: is possible when spraying KP1053M, mat and KP1053H, semi mat if necessary adjust viscosity (viscosity depends on the condition of application)

spraying-pneumatic: after viscosity adjustment to 20 to 30 sec.
nozzle: 1,2 to 1,8 mm spraying pressure: 3 to 5 bar

by brush: in original viscosity

Pretreatment

The substrate must be free of materials which prevent adhesion, e.g. oil, grease, dust and surfactant and areas about shot blasting; e.g. sanding.

Application temperature

above 10 °C

Drying

air drying at 20°C

dust dry: after 10 min. (degree of drying 1/ DIN 53150)

dry to touch: after 1 h (degree of drying 4/ DIN 53150)

complete dry: after 5 days (swinging beam hardness / ISO 1522)

oven drying: to 70°C possible (object temperature)
short term exposure up to 200 °C is possible

Repair coating

after sanding with the same system

Cleaning of working equipment

EFD-Thinner 400474

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
Resistance

Due to the different FREI - coatings and the ageing of the coatings we recommend adhesion tests.

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 KP1053GD1786, traffic white.

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.