

EFDEDUR

UHS-Singlelayer UR1426G

- Ultra High-Solid Topcoat with solvent
- Very good corrosion protection
- Very good light- and weather resistance
- Application for high quality industrial coatings e.g. Agriculture, construction machinery and commercial vehicles

Technical physical data	Resin/ binder	polyacrylic resin to be hardened with isocyanate	
	Colour	acc. to RAL 840 HR other colours shades on request	
	Gloss value DIN 67530 and DIN EN ISO 2813	glossy	80 to 90 angle 60°
	Original viscosity DIN 53211* without hardener	50 to 70 sec. / 4 mm cup	
	Mixing ratio by weight	7,7 : 1 HU0148 5,2 : 1 HU0146	
	Mixing ratio by Volume parts	4,75 : 1 HU0148 3 : 1 HU0146	
	Hardener base	EFDEDUR-Hardener HU0148 / HU0146 polyisocyanate	
	Potlife after hardener addition	2 h / 20°	
	Thinner	EFD-Thinner	400500
		EFD-Thinner	400474
	Density after hardener addition calculated	1,6 / ml	+ / - 0,1
	Solid content after hardener addition calculated	80 %	+ / - 2
	Solid content in volume after hardener addition calculated	395 ml / kg	+ / - 20
	Consumption calculated, after hardener addition in original viscosity, without application loss	200 to 210 g / m ² dry film thickness 80 µm see „Special remarks”	

Storability	Approx. 12 month in original packings at an ambient temperature of 5 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.	
Processing and application	Application	
	Stir carefully before addition hardener with high speed mixer	
	spraying-airmix:	in original viscosity after hardener addition
	spraying-high pressure:	in original viscosity after hardener addition
	Substrates	
	shot blasted steel, steel iron phosphatized, steel blanc, galvanized 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:	shot blasted steel	
top coat:	EFDEDUR-UHS-Singlelayer	UR1426G
Application temperature		
above 10 °C		
Drying	air drying at 20°C	
dust dry:	after 45 min.	(degree of drying 1/ DIN EN ISO 9117-5)
dry to touch:	after 5 h	degree of drying 4/ DIN EN ISO 9117-5)
dry to assambling:	after 6 h	(degree of drying 4/ DIN EN ISO 9117-5)
complete dry:	after 14 days	(swinging beam hardness/ DIN EN ISO 1522)
oven drying	till 90°C possible	(Objec temperatur)
Recoatability		
With itself after previous cleaning and sanding, at any time possible		
Cleaning of working equipment		
EFD-Thinner 400500		
Advise for safety protection and protection of health		
The usual precautionery measures for ventilation as well as for personal protection are to be observed when handling painting materials. Detailed information about dangerous goods, sayfety data and recommendations concerning health protection and environment protection can be read in the corresponding 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 UR1426GD2486, tec grey 85 and hardening with HU0148.	
	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		