

Technical Data Sheet

EFDEDUR

Primer conductive UR1967M

- Solvent born, two component, polyurethan-primer
 - For plastic moulded parts
 - Very good conductivity

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Technical	/ Physi	ical
Data		

Resin/ binder	acrylic resin to be hardened with isocyanate		
Colour	colour shades on request		
Gloss value visual	mat		
Original viscosity DIN 53211* without hardener	35 to 45 Sek. / 4 mm cup		
Mixing ratio by weight	9:1		
Mixing ratio by volume	7 : 1		
Hardener base	EFDEDUR-Hardener HU0001 polyisocyanate		
Potlife after hardener addition	max. 2 h / 20°C		
Thinner	EFD-Thinner 400500		
Density after hardener addition calculated	1,25 g / ml + / - 0,1		
Solid content after hardener addition calculated	60 % + / - 2		
Solid content in volume after hardener addition calculated	320 ml / kg + / - 10		
Consumption calculated, after hardener addition in original viscosity, without application loss	90 to 120 m² / kg dry film thickness 30 µm see "Special remarks"		
Spreading rate calculated, after hardener addition in original viscosity, without application loss	9 to 10 m² / kg dry film thickness 30 μm see "Special remarks"		

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Our technical data sheets are to advise you according to our latest state of knowledge. This information does not release you from own tests of our products in view to the ability for the intended procedures and applications. The sale of our products is an accordance with our terms of business and delivery.

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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	Components are to be mixed homogeneously (e.g. with high-speed mixer).				
	spraying-highpressure: after hardener addition and viscosity adjustment to 25 to 30 sec./ 4 mm nozzle: 1,4 to 1,7 mm spraying pressure: 3 to 4 bar				
	Substrates Plastic: Polycarbonate (PC), acrylonitrile / butadiene / styrene copolymers (ABS), other plastics on request.				
	Pretreatment The substrate must be free of materials which prevent adhesion, e.g. oil, grease, dust and surfactant.				
	Proposal for a constraintssubtrate:Pprimer:Etop coat:E	o ating system lastic type: PC / ABS FDEDUR- Primer conductiv FDEDUR-Paint	ve UR1967M UR1044		
	Application temperature above 10 °C				
	Drying	air drying at 20°C			
	dust dry:	after 10 min	(degree of drving 1/ DIN EN ISO 9117-5)		
	dry to touch.	after 15h	(degree of drying 4/ DIN EN ISO 9117-5)		
	complete dry:	after 7 days	(swinging beam hardness/ DIN EN ISO 1522)		
	oven drying:	to 80°C possible	(object temperature)		
	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. Detailled 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	Information about Hardener and Thinner: The hardener and the thinner mentioned on page 1 are stated as standard componentes for this paint system. The standard hardener is also written in the order documents as well as on the label.				
	Furthermore there are additional hardeners and thinners, which can be used as alternative in case the standard components doesn't meet the requirements. These products are tailor-made e.g. faster or slower hardening.				



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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 UR1967MRU732, Pebble grey, mat and hardening with HU0001.

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.