



## KL1743M FREOLUX-Primer

### Product description

<b>Product technology</b>	solvent-based 1K coating	
<b>Drying</b>	quickly	
<b>Substrate</b>	Steel	

### General product properties

<b>Binder-Base</b>	Alkyd resin	
<b>Colour</b>	in accordance with RAL 840 HR other colours on request	
<b>Gloss visually</b>	tuff mat	
<b>Viscosity</b>	Flow time 95-105 sec., 4 mm flow cup	DIN 53211
<b>Density</b>	1,2-1,4 g/ml	theoretical
<b>Solid mass</b>	60-64 %	theoretical
<b>Solid content in volume</b>	38-48 %	theoretical
<b>Reference product</b>	The specified values refer to the product KL1743MRU823.	
<b>Resistance to storage</b>	<p>approx. 18 month in original packagings at an ambient temperature of 5 to 25 °C. Open packages are to be used within a short time.</p> <p>The minimum storage stability of each batch is stated on the product label. The material does not necessarily become unusable if stored for longer than this period. However, for quality assurance purposes, an inspection of these materials is essential to ensure that they are still suitable for the intended application.</p>	

### Application and processing

<b>Pretreatment</b>	The substrate must be free of adhesion-impairing substances such as oil, grease, rust, scale, mill scale, wax and release agent residues. We recommend the use of suitable mechanical pre-treatment processes (e.g. blasting, grinding) or chemical pre-treatment processes (e.g. phosphating) according to the requirements.	
<b>Structure recommendation</b>	Substrate	Steel
	Primer	KL1743M Dry film thickness 50-70 µm
	Top coat	KL1022G Dry film thickness 40-60 µm
<b>Note before use</b>	Prior to use, stir well or mix components homogeneously (e.g. with fast mixer).	
<b>Thinning</b>	EFD dilution 400320 EFD dilution 400474	
<b>Processing conditions</b>	from 10 °C to 25 °C	



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<b>Airless spraying</b>	delivery viscosity Nozzle 0,33 mm Angle 40° Material pressure 100 bar	
<b>High pressure spraying</b>	25-30 sec. / 4 mm Flow cup Nozzle 1,5 mm Injection pressure 2-4 bar	DIN 53211
<b>Rolling/painting</b>	as delivered viscosity	
<b>Material usage</b>	without application loss 180-190 g/m <sup>2</sup> layer thickness 60 µm	theoretical
<b>Air drying</b>	20 °C, 50 % relative humidity	
<b>Oven drying</b>	up to 80 °C possible (object temperature)	
<b>Dust drying</b>	after 25 minutes (degree of dryness 1)	DIN EN ISO 9117-5
<b>Dry to the touch</b>	after 40 minutes (degree of dryness 4)	DIN EN ISO 9117-5
<b>Full drying</b>	after 18 day/s (pendulum damping)	DIN EN ISO 1522
<b>Cleaning of equipment</b>	EFD dilution 400500	

### Comments

<b>EFD info</b>	Further technical information can be found in the EFD Info. No. 170.
<b>Work-and Healthprotection</b>	The standard personal safety precautions must be observed when handling painting materials. Detailed information about dangerous goods, safety data and recommendations concerning Health and Safety at Work and environmental protection can be found in the corresponding safety data sheet.
<b>Test conditions</b>	All information is based on a standard climate 23/50 DIN EN 23270. All information is based on our product knowledge an experience. We have no direct influence on the application itself. Please do not hesitate to contact us for further information.  The information provided here contains reference values and does not constitute a specification.