



## BD7120X

## DURELASTIC-Brush-Gelcoat

### Product description

<b>Product technology</b>	Styrene-based gel coat
<b>Application</b>	spreadable
<b>Stability</b>	very good

### General product properties

<b>Binder-Base</b>	Unsaturated polyester resin based on orthophthalic acid
<b>Colour</b>	in accordance with RAL 840 HR other colours on request
<b>Gloss value</b>	Mould and separating agent-dependent
<b>Viscosity</b>	3000 - 6500 mPa*s
<b>Density</b>	1,3 g/cm <sup>3</sup> <span style="float: right;">theoretical</span>
<b>Resistance to storage</b>	approx. 6 month in original packagings at an ambient temperature of 5 to 25 °C. Open packages are to be used within a short time.  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.  As the time in storage increases, the gelling and curing times can change. The original gelling time can be adjusted by adding accelerators ( e.g. BD7550 ).

### Application and processing

<b>Tool/mould</b>	GRP types (of glass fibre-reinforced plastic) Separating film Metal molds
<b>Pretreatment</b>	Treat moulds with suitable separating agents.
<b>Note before use</b>	Prior to use, stir slowly and well without letting air in or mix components homogeneously.
<b>Mixing ratio</b>	+ 2 % Durelastic curing agent (MEKP 50) HD0625
<b>Thinning</b>	EFD dilution 3-5 % 400900
<b>Processing conditions</b>	During processing, a room, material and mould temperature of [Variable] °C must be guaranteed in order to prevent hardening problems and cracking.
<b>Processing time</b>	max. 12 - 15 min. / 20 °C With the addition of 2 % HD0625
<b>painting</b>	as delivered viscosity
<b>Rolling</b>	as delivered viscosity
<b>Material usage</b>	500-600 g/m <sup>2</sup> mean test layer thickness <span style="float: right;">theoretical</span>

Our technical data sheets are to provide you with advice based on our latest state of knowledge. This guidance does not release you from your own obligation to test our products for their suitability for your intended purposes and applications. The sale of our products is in accordance with our terms of business, delivery and payment.

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FreiLacke | Emil Frei GmbH & Co. KG

Am Bahnhof 6  
78199 Bräunlingen-Döggingen | Deutschland  
+49 77071510

[www.freilacke.de](http://www.freilacke.de) | [info@freilacke.de](mailto:info@freilacke.de)



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**Cleaning of equipment** with EFD cleaning agent 400906 within the processing time.

#### Further processing of coated pieces

**Over-laminatable** after 90 min., at the latest after 12 hours at 20°C material and room temperature.

#### Mechanical tests

<b>mechanical properties</b>	Bending strength	132 MPa	DIN EN ISO 178
	E-module	3150 MPa	DIN EN ISO 178
	Tensile strength	63 MPa	DIN EN ISO 527-2

This information refers to the cured, unreinforced resin combination.

#### Comments

##### Work-and Healthprotection

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.

##### Test conditions

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.