



BD9120X

DURELASTIC-System-Gelcoat

Product description

Product technology	Styrene-based gel coat
Application	spreadable
Stability	very good

General product properties

Binder-Base	Unsaturated polyester resin based on orthophthalic acid
Colour	in accordance with RAL 840 HR other colours on request
Gloss value	Mould and separating agent-dependent
Viscosity	3000 - 6500 mPa*s
Density	1,3 g/cm ³ theoretical
Resistance to storage	<p>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.</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> <p>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).</p>

Application and processing

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

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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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

mechanical properties	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

System Coating Can be integrated into the system coating concept as a horizontal system coating (different coatings with the same look) or vertical system coating (part of a multi-layer structure). For more information, see www.freilacke.de/systemlacke.

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 and 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.

This data sheet is valid for the variant A-Z.