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Bergolin LEP 6D1100, colour

6D1100

DESCRIPTION

Pigmented, solvent-free, light-proof 2-component liquid plastic as erosion protection for the rotor blades of wind power plants.

TYPICAL PROPERTIES

Binder basis	Polyurethane
Density (DIN EN ISO 2811-1/20°C)	Approx. 1.38 g/ml (mixture)
Viscosity (DIN EN ISO 2555/20°C)	Approx. 10700mPas (base)
	Approx. 750mPas (hardener)
	Approx. 5700mPas (mixture)
Vol. solid	Approx. 100%
Theoretical consumption	1.38 kg/m^2 per mm of layer thickness
Colour	RAL 7035, RAL 7038, further colours upon request
Gloss level	Glossy
Mixture ratio	100 : 39 parts by weight with 7D810 hardener 100 : 50 parts by volume with 7D810 hardener
Pot life, 139g	Approx. 15 minutes / 20°C and humidity of 50%
Flashpoint	See safety data sheet
Labelling	See safety data sheet
VOC content	See safety data sheet
Shelf life	12 months in the original unopened container at storage temperatures between +10°C and +35°C
	The 2C cartridges, however, have a shelf life of 18 months at storage temperatures between +10°C - +35°C.

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APPLICATION

Room temperature	> +10°C to +35°C Temperatures above +20°C accelerate the reaction and hardening process. The dew point must be 3°C below the object temperature.
Rel. humidity	20% - 80%
Drying (20°C, 55% rel. humidity)	Suitable for sanding after 2 hours (Both low temperatures and low humidity slow down drying. Higher temperatures or increased humidity accelerate drying.)
Application	Pouring Spraying: 50°C – 60°C material temperature. The max. material temperature must not be exceeded under any circumstances! A total dry layer thickness of 400–600µm is required to obtain an adequate wear layer. Rolling and brush: multi-layer structure of 400µm required to obtain an adequate wear layer
Recoating intervals without intermediate sanding	Pouring, rolling and brush: 24h at 25°C, 64% rel. humidity (Both, low temperatures and low humidity slow down drying. Higher temperatures as well as higher humidity accelerate drying.) Spraying: 4h at 55°C, 22°C room temperature and 38% rel. humidity (Both low temperatures and low humidity slow down drying. Higher temperatures as well as higher humidity accelerate drying. The max. material temperature must not be exceeded under any circumstances!)
Machines	2-component airless system 2-component system with static mixer 2-chamber cartridge with static mixer
Processing time (20°C, 55% rel. humidity)	Approx.. 7min.
Cleaning	Use Bergolin cleaning agent 5P1100 for cleaning the equipment.

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NOTES

With this product data sheet, all previously published product data sheets lose their validity. Based on our experience, our product data sheets provide information to the best of our knowledge and serve the user's technical support. The information contained herein is based on experience under standard conditions and assuming proper storage and processing of the product. Substrates, materials, and working conditions may differ. Therefore, neither a guarantee of the results of work nor liability can be justified on whatever legal grounds on the basis of the information contained in this document or on the basis of a verbal consultation. Our technical product leaflets cannot and should not represent any guarantee of characteristics in the legal sense. Furthermore, our product data sheets do not constitute a contractual legal relationship and do not represent the contractually agreed quality of our products. A guarantee of certain properties/quality characteristics or the suitability of the product for a specific application cannot be derived from our information. The information contained herein is not binding and we assume no liability for its completeness, correctness or accuracy. This exclusion of liability does not apply to claims under the Product Liability Act, claims due to malicious, intentional or grossly negligent behavior of the contractual partners, claims arising from liability for guaranteed characteristics of the quality as well as damages from injury to life, body or health. Our general terms and conditions for sales and delivery also apply.

Our products are made exclusively for the professional industrial user who has appropriate expertise in handling and using chemical/technical surface finish products. In individual cases, the application and processing of our products requires individual coordination of the coating structure or the working process due the differing surfaces and occurring stresses. The purchaser is responsible for the examination of the product for the intended application. Preliminary tests are recommended. When applying our products, the relevant statutory regulations (in particular regulations governing hazardous substances), leaflets issued by the German Trade Association for Raw Materials and Chemical Industry (BG RCI) and the accident prevention regulations of the relevant professional association must be observed. Further details can be found in the respective safety data sheets. Processing should only be carried out under consideration of current safety regulations in the relevant country/state. We reserve the right to adapt the content of our product data sheets without prior notice to the state of the art and to supplement, update or change without prior notice and without obligation.

We would be pleased to support you with queries and further information.