

Luhydran[®] A 849 S2

Product description A self-crosslinking workhorse dispersion for interior wood coating

- Key benefits**
- Very good chemical resistance
 - Very good grain enhancement
 - Good water resistance
 - Good scratch resistance

Chemical nature Self-crosslinking acrylic dispersion

Properties

Physical form White dispersion

Technical data (no supply specification)	Non-volatile content	DIN EN ISO 3251	~ 44%
	Brookfield viscosity at 25 °C	DIN ISO 1652	~ 200 mPa·s
	pH	DIN 19261	~ 7.0
	Minimum film forming temperature	DIN 53787	~ 39 °C
	Density at 25 °C	DIN EN ISO 2811-1	~ 1,050 kg/m ³
	Freeze/thaw-stable		no

Application

Luhysdran® A 849 S2 is a self-crosslinking dispersion suitable for furniture and flooring applications with very good chemical and water resistance. Luhysdran® A 849 S2 primarily can be used for primers and topcoats for both clear and pigmented systems for wooden furniture board.

Luhysdran® A849 S2 can also be used for plastics and fibre cement board. Luhysdran® A 849 S2 in blends with polyurethane dispersions for example Joncryl® U 4190* provides excellent adhesion for parquet floor coatings.

* Joncryl® U 4190 is an economical NMP-free aliphatic polyurethane dispersion.

Formulation guideline

Film formation at room temperature can be achieved by adding film forming agents such as butyl glycol (BG), butyl di glycol (BDG) or di propylene glycol n-butyl ether (DPnB). Examples of addition rates for Luhysdran® A 849 S2.

Addition rate	2.5%	5.0%	7.5%
Butyl di glycol	33 °C	18 °C	3 °C
Di propylene glycol n-butyl ether	36 °C	16 °C	1 °C

Coatings can be colored with stir-in pigments such as Xfast® or aqueous pigment preparations such as Luconyl® types.

Luhysdran® dispersions, like other fine dispersions tend to foam. A BASF defoamer such as FoamStar® may be added in proportions of 0.3-1.0%, its suitability and long-term effectiveness should be tested.

The suitability of wood and furniture coatings formulated with Luhysdran® A 849 S2 should be tested in particular for application subject to intensive contact with grease (including dermal grease), plasticizers and creams (e.g. hand creams).

Storage

This product should be stored in tightly sealed original packaging at temperatures between 5 °C and 40 °C.

This product must be protected from frost.

Safety

When handling this product, please comply with the advice and information given in the safety data sheet and observe protective and workplace hygiene measures adequate for handling chemicals.

Note

The data contained in this publication are based on our current knowledge and experience. In view of the many factors that may affect processing and application of our product, these data do not relieve processors from carrying out their own investigations and tests; neither do these data imply any guarantee of certain properties, nor the suitability of the product for a specific purpose. Any descriptions, drawings, photographs, data, proportions, weights, etc. given herein may change without prior information and do not constitute the agreed contractual quality of the product. The agreed contractual quality of the product results exclusively from the statements made in the product specification. It is the responsibility of the recipient of our product to ensure that any proprietary rights and existing laws and legislation are observed.

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