



# Technical data sheet

PROTECTION MADE EASY

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## Liboreno

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### Description and destination of the product

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**Liboreno** is a qualitative indoor wall paint, based on styrene acrylic copolymer, extremely suitable as finishing coat for renovation works.

By the unique combination of resin, pigment and fillers, **Liboreno** has the following very good properties:

- Good hiding power
- Velvet mat gloss
- 2 in 1 system: can be used as well as primer as top coat
- Good resistance against abrasion
- Good washability
- To be coloured in different colours
- Suitable for all classic surfaces
- Good flow if applied with suitable roller or brush

### Type of binder

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100% styrene acrylic copolymer.

### Colour

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White, can be coloured in a large number of colours.

### Gloss

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Velvetly mat:

1 ( $\pm$  1) measured at an angle of 60°

3.5 ( $\pm$  1) measured at an angle of 85°

## Technical data

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- **Density:** 1.53 (± 0.05) kg/L
- **Solids content:** 61 (± 2)% in weight  
41 (± 2)% in volume
- **Drying times:** Dustdry : 30 minutes  
Dry : 2 hours  
Repaintable : 4 hours
- **VOC:** < 30 g/L  
Category A/a  
Norm 2010 < 30 g/L
- **Theoretical yield:** 10 m<sup>2</sup>/L (40 µm dry layer thickness)  
The practical yield can largely be influenced by the roughness and porosity of the substrate, the applied layer thickness or the losses by airless application.

## Surface preparation

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- Fungi and algae: removal of fungi and algae with a suitable algacide and/or fungicidal (e.g. *Fungex*)
- Old alkyd paints and varnishes: roughen up before repainting.
- Unpainted and porous substrates: it is recommended to impregnate the new substrates with the suitable products. Many unpainted surfaces, such as plasterboard, stucco, glass fiber, brick, etc... which don't powder should be painted first with *Liboprim* or *Hydroprim*, coloured or not in the same colour as the top coat, so that sometimes a final layer can be saved. Mixed with *Aquafix* (1 L/10 L paint) it can result in a better adhesion on porous surfaces.
- Powdering surfaces: always fix with a suitable fixative (e.g. *Aquafix*) or detergent solution.
- Old acrylic or latex paints: first clean with a suitable alkaline or detergent solution.
- The surface must be completely dry (maximum 5 % moisture content).

In order to know the suitable preparation for your specific object, you can always consult your Libert contact of dealer.

## Use

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Apply with roller, brush or pistol.

### Spraying application

Airless:

		Material pressure (bar)	Nozzle diameter (inch)	Dilution
Finish Pro 395	Graco	*	*	*
SF23	Wagner	*	*	*

(\*) = must be tested

## Airmix – Aircoat

		Material pressure (bar)	Air pressure (bar)	Nozzle diameter (inch)	Dilution
Finish Pro 395	Graco	*	*	*	*
SF23	Wagner	*	*	*	*

(\*) = must be tested

Dilute: **Liboreno** is supplied ready to use.

For renovation on old paints or absorbent, not powdering surfaces, it can be diluted with tap water. When renovating dilute max. 5%, for direct application on strong absorbent surfaces, dilute max 10%. For powdering surfaces dilute with **Aquafix**. For the next layers you can work non-diluted.

Clean: with tap water.

In order to avoid problems of interlayer adherence (e.g. pollution), it is recommended to apply the following dispersion coat within 5 days.

Dilution table:

	Dilution:
Roller	0 to 10%
Brush	0 to 10%
Spray gun	0 to 5%

It is always recommended to apply 2 top coats **Liboreno**.

Indicative recoatable times:

	Minimum	Maximum
10°C	6 hours	7 days
20°C	4 hours	5 days
30°C	3 hours	4 days

## Application conditions

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The surrounding temperature must be higher than 8°C and the relative humidity must be lower than 85%. These minimum conditions must be kept during the next 48 hours of drying and film formation.

## Test reports

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Scrub Resistance test (ISO 11998)

**Liboreno** is in the first class with excellent resistance against abrasion and washability.

## **Storage stability**

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Minimum 18 months in the original, unopened packing, stored in a dry frostfree environment.

## **Safety measure**

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For detailed information about safety measures, personal protection and transport data of this product, we refer to the safety data sheet.

*The last update of our technical data sheets is always available at our website: [www.libertpaints.com](http://www.libertpaints.com)*

### **Disclaimer**

*The information given in this technical data sheet is only a general product description, based on our experiences and tests and therefore does not represent a specific practical case. Consequently Libert Paints doesn't guarantee the functionality or result and takes no responsibility in this respect.*

*We advise our clients to test the applicability of the product to the nature and the state of the surfaces and to carry out the necessary representative tests in case of doubt. Please contact our R&D department as the occasion arises.*

*Attention: our clients should verify whether the present technical data sheet hasn't been replaced by a more recent version.*