



# Technical data sheet

PROTECTION MADE EASY

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## Softmat

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### Description and destination of the product

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**Softmat** is a high-quality, 100% pure acrylic resin-based wall paint used mainly as a topcoat. Thanks to the use of high-performance raw materials, **Softmat** has the following exceptional qualities:

- Very good covering power
- Velvety matt gloss
- Tintable in a range of colours
- For all conventional surfaces
- Spreads well when applied with a suitable brush or roller

**Softmat** is a highly resistant paint thanks to the meticulous choice of high-quality water-based resins, pigments and fillers it contains.

### Type of binder

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100% pure acrylic dispersion.

### Colour

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More than 10,000 shades available thanks to the Color Dispensing system

### Gloss

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Velvety matt: 2 ( $\pm$  2) measured at an angle of 60°.  
At an angle of 85°: 3Gn

### Technical data

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○ <b>Density:</b>	.56 ( $\pm$ 0.05) kg/L	
○ <b>Solids content:</b>	64 ( $\pm$ 2) % in weight	
	47 ( $\pm$ 2) % in volume	
○ <b>Drying times:</b>	Dust-free	: 30 minutes
	Dry	: 2 hours
	Complete film formation	: 12 hours
	Recouvrable (20°C)	: 4 hours

- **VOC:** <28 g/L  
Category A/a  
Standard 2010 <30 g/L
- **Theoretical yield:** 10-12 m<sup>2</sup>/L  
(40µm dry 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

- **Mould and algae:** eliminate mould and algae with an algicide and/or fungicide product (e.g. *Fungex*).
- **Old alkyd paints and varnishes:** sand before repainting.
- **Unpainted and porous substrates :** it is recommended that new substrates are first impregnated with suitable products. Many non-powdery unpainted substrates such as gyproc, plaster, fibreglass, brick, etc. can be primed beforehand with a primer such as *Hydroprim or Liboprim*. These primers can be tinted in the same shade as the topcoat, saving one coat. Mixed with *Aquafix* (1 L/10 L of paint), they offer better adhesion on porous substrates.
- **Powdery substrates:** always fix with a fixing product before painting (e.g. *Aquafix*).
- **Old acrylic or latex paints:** rinse with a suitable alkaline solution or detergent.
- The substrate must be sufficiently dry (maximum 5% humidity).

For preparation adapted to your specific substrate, always consult your LIBERT contact or distributor.

## Use

Application: roller, brush or spray.

Spray application:

**Softmat** can be sprayed with Airless or Airmix (Aircoat) (tested with a GRACO Finish Pro 395 and a WAGNER SF23):

		% Dilution	Pressure (bar)	Nozzle
FINISH PRO 395	GRACO	Not diluted	200-220	0.017-0.019
SF23	WAGNER	Not-diluted	200-220	0.017

Airmix – Aircoat :

		Pressure (bar)	Air pressure (bar)	Nozzle (inch)	Dilution
FINISH PRO 395	GRACO	100-140	1.5-2.5	0.017	Not diluted
SF23	WAGNER	160-170	2-2.5	0.015	Not diluted

Dilution: **Softmat** is supplied ready-to-use for roller application.

For renovation work on old paint or powder-free porous surfaces, it is possible to dilute with tap water. For renovation, dilute to a maximum of 5%. For direct application on very porous surfaces, dilute to a maximum of 10%. On powdery substrates, thin with *Aquafix*. Do not thin subsequent coats.

Clean with running water

- To avoid adhesion problems between coats (e.g. impurities), we recommend applying the next coat of dispersion within 5 days.

Dilution table :

	Thinner: tap water
Roller	0 to 10%
Brush	0 to 10%
Spray	0 to 5%

For a complete paint system, we always recommend using **Hydroprim** or **Liboprim** as a primer and a two-coat finish.

**Softmat** can be overcoated with a second coat of **Softmat** to achieve a beautiful, even, covering finish.

Indicative recoat times :

Surface temperature	Min.	Max.
10°C	6 hours	7 days
20°C	4 hours	5 days
30°C	3 hours	4 days

## Test rapports

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Scrub Resistance test (ISO 11998)

**Softmat** is first class, with excellent resistance to abrasion and washing.

## Application conditions

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The ambient temperature must be above 8°C and the relative humidity below 85%. These conditions also apply for the next 48 hours for drying and film formation.

## Storage stability

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Minimum 18 months, in a dry place (protected from frost) at a temperature between +5°C and +30°C, in unopened original packaging.

## 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.***