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## LIME SOAP GLUE PAINT - for **INDOOR** use – Product data sheet

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Lime Soap Glue Paint (LSGPI) is an interior paint consisting of a mineral binder (lime), soap, water, mineral pigments, and a natural adhesive. The soap and natural adhesive enhance durability and wear resistance compared to using lime alone. The pigment improves coverage.

Lime Soap Glue Paint can be applied and reapplied on masonry as well as wood, wallpaper, and plasterboard, but not in wet rooms. KSLi focuses on indoor climate, durability, climate impact, and environmental considerations.

### Product Description

Lime Soap Glue Paint (LSGPI) is a fully matt paint for indoor use. It is more durable than pure lime while also providing an alternative to plastic-based paint. The product contains no plastics and does not break down into microplastics. LSGPI is environmentally friendly and has a low climate footprint. Products painted with LSGPI can be recycled after decomposition.

### Product properties

LSGPI helps create a healthy indoor environment and meets the testing criteria for "Eurofins Indoor Air Comfort Gold" (IAC Gold). No solvents or preservatives are used, making the product an obvious choice for people who wish to limit exposure to unwanted chemicals.

LSGPI is vapour permeable and does not restrict moisture movement. This is particularly relevant for older buildings without mechanical ventilation, where moisture transport through the structure is crucial for maintaining a healthy indoor climate. If there is a risk of indoor moisture, it is better to use LSGPI for outdoor use.

Lime Soap Glue Paint creates attractive light reflection through the natural pigments that settle on the surface.

### Application

LSGPI is particularly suitable for painting rough and planed wood, lime surfaces, wallpaper, felt render, plasterboard, brick and plaster indoors.

It is important that the substrate is absorbent where painting takes place in order to promote adhesion.

LSGPI is also available as another product for outdoor use (LSPGo). This may also be used in indoor wet rooms – however not in the actual wet zone.

### Limitations of use

Lime Soap Glue Paint does not cure by film formation like most other paints. The surface is therefore not washable.

LSGPI is not suitable for concrete, roof tiles, cement, doors, panels, windows and wet rooms such as utility rooms, bathrooms, kitchens and basements.

### Vejledende forbrug

Depending on the absorbency of the substrate, 1 litre of LSGPI covers between 4 and 8 m<sup>2</sup>.

### Tools

Indoor Lime Soap Glue Paint is best applied using a large brush / masonry brush.

Since LSGPI is highly alkaline, it is important to wear protective goggles and gloves when painting. [See the safety data sheet for equipment details.](#)

### Application method

It is essential that any plastic-painted surfaces are removed before application.

The substrate must be clean, dry, firm and absorbent to ensure adhesion.

The paint should be brushed thoroughly into the substrate, and it is recommended to paint wet-on-wet.

Apply in thin coats at a minimum working temperature of 5 °C.

### Stirring

Lime Soap Glue Paint must be stirred thoroughly before use and then re-stirred approximately every fourth application.

When standing in the bucket, the distemper has a creamy consistency. After stirring it becomes more fluid and easy to paint with, and it drips less than many other paints.

A maximum of 5% water may be added.

### Colours

White is the standard colour for LSGPI. Tinting is possible with slightly longer delivery times.

### Drying time

Depending on the substrate, LSGPI dries in approximately 30 minutes.

It can be recoated after 24 hours.

Temperature must be at least 5 °C with a maximum relative humidity of 60%.

### Cleaning

After finishing painting work, it is environmentally acceptable to clean brushes and containers in a drain.

[See the safety data sheet for further information.](#)

### Storage

LSGPI for indoor use must be stored in tightly closed original packaging in a dry, cool, frost-free environment, kept upright.

### Enquiries

Please contact us with any questions or comments:

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## LIME SOAP GLUE PAINT - for **INDOOR** use – test results

	Result	Limit value
Compliance with Emission Requirements Emission Standards	Indoor Air Comfort GOLD – Complies with requirements Indoor Air Comfort – Complies with requirements ABG / AgBB – Complies with requirements Belgian Regulation – Complies with requirements EU Taxonomy – Complies with requirements Blue Angel (DE-UZ 12a) – Complies with requirements Italian CAM Edilizie – Complies with requirements French VOC Regulation – A+ (complies with requirements) French CMR Components – Complies with requirements	-
VOC	<2,1 g/L	Decopaint: 30,0g/L EU Ecolabel: 10,0g/L
SVOC	<0,29 g/L	EU Ecolabel: 30,0 g/L
<b>GWP<sub>total</sub> (A1-A3)</b> <b>[kg CO<sub>2</sub>eq]</b>	<b>0,907 kg CO<sub>2</sub>eq per kg KSL</b> <b>0,130 kg CO<sub>2</sub>eq per m<sup>2</sup></b> <b>0,635 kg CO<sub>2</sub>eq per liter</b>	<b>Se EPD: MD-26009-EN</b> Based on a single coat of paint applied to plasterboard.
Formaldehyde emissions	Not detected	Test criterion limit for IAC Gold: < 10 µg/m <sup>3</sup>
EU taxonomy	Complies with requirements	
Water vapour diffusion resistance (Z-value)	0,57 GPa · s · m <sup>2</sup> /kg	< 10
Consumption per m <sup>2</sup>	1 litre covers 4–8 m <sup>2</sup> depending on the substrate.	-
Solid content	41,2 %	-
Density	0,7 g / cm <sup>3</sup>	-
PFAS	Not detected	-
PCB	Not detected	-
Asbestos	Not detected	-

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## LIME SOAP GLUE PAINT - for **INDOOR** use – test results explanation

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### Solids content

Solids content indicates the percentage of paint that remains as solid material when liquid and volatile substances have evaporated. Solids content affects layer thickness, coverage and yield per coat. LSGPi solids content: 41.2%.

### Density

Density indicates the weight of the paint per volume. Density affects how much the paint weighs per litre and therefore its coverage and layer thickness per coat.

A lower density may provide greater coverage per litre, while a higher density gives a more concentrated layer.

LSGPi density: 0.7 g/cm<sup>3</sup>.

### Coverage rate

The indicative coverage per litre is 4–8 m<sup>2</sup>. Coverage is used to calculate consumption but depends on the substrate and its absorbency.

### Vapour Permeability

The z-value of 0.57 GPa·s·m<sup>2</sup>/kg indicates resistance to water vapour transmission.

The lower the z-value, the more vapour permeable the material is. The higher the z-value, the more vapour resistant it is.

The low value means that LSGP is highly vapour permeable and does not restrict moisture movement.

### EU Taxonomy

An EU classification system that defines which economic activities are considered environmentally sustainable. LSGPi complies with the relevant emissions requirements.

### VOC and SVOC

VOC (Volatile Organic Compounds) and SVOC (Semi-Volatile Organic Compounds) may be harmful to both the environment and health. LSGPi contains <2.1 g/L VOC and <0.29 g/L SVOC and is therefore a low-emission product.

### No Formaldehyde

Formaldehyde is a volatile organic compound that may be harmful to health when inhaled and may occur in certain building materials. Analyses of LSGPi have not detected formaldehyde.

### No PFAS

PFAS are a group of chemicals used in many products. They are difficult to break down and may be harmful to health. Analyses of LSGPi have not detected PFAS.

### Units in Product Data Sheet

≤	: less than or equal to
<	: less than
μg	: microgram
mg	: milligram
g	: gram
kg	: kilogram
μm	: micrometre
cm <sup>3</sup>	: cubic centimetre
m <sup>2</sup>	: square metre
m <sup>3</sup>	: cubic metre
GPa	: gigapascal
s	: second