

# MalecoSil

## Premium Quality extremely breathable exterior & interior Paint w/high Silicone Resin Content, especially for drying wet Walls and Historic Buildings / Cultural Heritage

### Field of Application

**MalecoSil** is a very special silicone resin based aqueous paint for exterior and interior use on many substrates, where highest possible water vapour and CO<sub>2</sub> permeability is required, e. g. due to moisture or rising damp in walls or after an injection job into a skirting or at historic buildings in general. To be used on:

- ◆ plaster / stucco, smooth or rough, especially lime-based or gypsum
- ◆ brickwork, not reinforced concrete (high CO<sub>2</sub> diffusion = carbonation)
- ◆ old paints (caution with poorly stabilized non-hydraulic lime paints)
- ◆ especially for historic buildings and cultural heritage due to its completely mat finish like pure lime

**This paint is NOT suitable for terraces, flat roofs, floors or any horizontal surface (e. g. top of attics), ponds or pools, because it's not resistant to water pressure --> percolation.**

### Properties

**MalecoSil** impregnates but doesn't seal (no film formation) the covered surface; that's why it is extremely permeable to water vapour ( $s_D$  value 0,01) with very reduced tendency to flaking, even in case of rear side humidity; resistant to driving rain at vertical applications, but not to water pressure of any kind, not even puddles. That's why it's **ideal for historic buildings** and any other application, **where there remains rear side humidity**, may that be rising damp or an adjacent garden or street or after injection jobs.

The paint is very resistant to salty ambiance and UV rays. It has NO capacity to fill cracks and is NOT elastic - resistant to rubbing & ageing, algicide & fungicide.

### Application

- (1) Any surface must be clean, dry, dust-free and free from any loose parts. Scratch if necessary and eliminate all parts with poor adherence. The necessary primer depends on the type of surface (concrete, plaster, old paint). Please check with our technical department.
- (2) Cracks wider than 0,1 mm must be covered by **Maleco Putty for Façades LecoScan 512** or by the mat **Kobau Polyester-Vlies K30**. **MalecoSil** is NOT suitable for coating jobs, that need to be elastic. For this purpose, see the the extremely elastic exterior paint **MalecoLan Elastic**.
- (3) Stir thoroughly. Apply **MalecoSil** with a roller, preferably made of lamb wool, like on the photo, or with a big brush, always pure without diluting. Repainting after 5-7 hours at 20 °C / 60 % rel. humidity.

**Yield as paint on façades:**

**2 hands X 0,20 litres each per m<sup>2</sup>**

**Yield for bridging cracks class 2 with mat Kobau K30:**

**3 hands X 0,23 litres each per m<sup>2</sup>**

### Storage & Security Advice

Storage 24 months in a dry, clean and cool place, firmly closed. This paint contains a conservation agent against mould & algae, which will be set free in contact with water, saliva a.s.o.

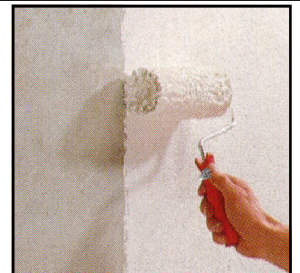
German Technology



Information according Directive 2004/42/CE (DECOPAINT)  
- limitation VOC-emissions -  
Cat. A/c  
limit (2010): 40 g/l VOC  
maximum content: 1 g/l VOC

Information according to EN 1062-1  
paint for exterior masonry + concrete

gloss	G3 (mat)
dry film thickness	E3 (100...200 µm)
grain size	S1 (fine < 100 µm)
H <sub>2</sub> O permeability	V1 (high ~0,01 m)
water absorption	W3 (low 100g/m <sup>2</sup> ·√h)
crack bridging	A0 (NPD)
CO <sub>2</sub> permeability	C0 (NPD)



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