



# THE LIME CENTRE

The Lime Centre Ltd, Hazeley Road, Morestead, Winchester, Hampshire SO21 1LZ  
Tel: 01962 713636 | [info@thelimecentre.co.uk](mailto:info@thelimecentre.co.uk) | [www.thelimecentre.co.uk](http://www.thelimecentre.co.uk)

## Product Name: Beekosil – Active Mineral Paint

---

### Application Guide

For further technical & application information please see manufacturer's technical data sheet.

### **What are Mineral Paints?**

Beeckosil is a technically superb coating in terms of durability, your health, the environment, and building protection. Beeckosil is available in a large range of colours.

Beeckosil is chemically bonded to the substrate forming strong silica bonds in a process known as silicification, unlike conventional masonry paints which form a film on the surface of the wall.

Active Silicification is where the paint achieves a full chemical bond to the substrate resulting in an extremely durable finish for many years.

Beeckosil is an active mineral paint with a micro-crystalline structure which provides a truly breathable finish. Made with a binder of potassium silicate (water glass), Beeckosil is fully inorganic (containing no organic solvents), non-off gassing, and being alkaline it inhibits micro biotic growth.

(Passive Silicification is where the paint soaks into the background and achieves a partial bond, still resulting in durable finish).

### **Suitability**

Beeckosil is suitable for new lime render or other mineral backgrounds including brick, cement render, concrete and calcium silicate render.

### **Previously painted surfaces**

Beeckosil cannot be applied to existing masonry paints. For decoration to a masonry painted surface use Passive Silification paint - Beek Renosil.

### **Application**

**Beeck Etching Fluid** – Etching fluid is used to remove the fatty deposit from the render surface, preparing for the application of active mineral paint.

Etching Fluid is an acidic solution of fluorosilicates in water, and Personal Protective Equipment (PPE) should always be worn.

- Thin Etching Fluid with 3 parts water.
- Brush on and work into the surface using a hard brush to ensure penetration.
- Allow no more than 20 minutes for reaction to take place (fizzing) then rinse thoroughly with a hose.

Following the washing process, the run off is completely inert and biodegradable and does not require any special considerations for disposal.

**Beeck Fixative** – Fixative is used as a primer to equalize the surface to ensure a more even and uniform application of Beeckosil Finish.

- Thin Fixative with 2 parts water.
- Apply liberally to saturation with even coverage, brushing out any excess primer.

[www.thelimecentre.co.uk](http://www.thelimecentre.co.uk)



# THE LIME CENTRE

The Lime Centre Ltd, Hazeley Road, Morestead, Winchester, Hampshire SO21 1LZ  
Tel: 01962 713636 | [info@thelimecentre.co.uk](mailto:info@thelimecentre.co.uk) | [www.thelimecentre.co.uk](http://www.thelimecentre.co.uk)

**Beeckosil Paint** – Beeckosil Active Mineral Paint is the decorative coloured finish applied in two coats.  
For substrates with minor defects, the first coat can be Beeckosil Coarse which contains 0.4mm texture grain.

- Stir the contents ensuring the liquid on the surface is thoroughly mixed back in.
- Thin the first coat with 10% Beeck Fixative.
- Thin the second coat with 5% Beeck Fixative.

Apply crosswise sparingly, evenly and lap-free with a soft mineral paintbrush or a lambskin roller. Maintain a wet edge and avoid dry seams. Where this is unavoidable find a suitable point or feature on the faced and finish to the best line, when the work proceeds this edge should be 'cut in', avoid any lapping with the existing paint at the dry edge as this may result in a visible difference in finish.

## Performance Data

Parameter	Value	Conformity
pH value 20°C:	11	
Sd value (H2O):	<0.02m	
Colourfastness:	Class A1	BFS information sheet No. 26
Grain Size:	fine	EN 13300
Flammability class:	A2 non-flammable	EN 13501-1, DIN 4102
VOC content (max):	4g/L	ChemVOCFarbV, Cat. A/c

## Coverage & Quantities

We are happy to work out quantities for you.

Product/Size	1 Coat	2 Coats	Per Coat
Etching Fluid 1 Litre	50m <sup>2</sup>		0.02L
Etching Fluid 5 Litre	250m <sup>2</sup>		0.02L
Fixative 1 Litre	25m <sup>2</sup>		0.04L
Fixative 5 Litres	125m <sup>2</sup>		0.04L
Beeckosil Fine 5 Litres	40m <sup>2</sup>	20m <sup>2</sup>	0.12L
Beeckosil Fine 12.5 Litres	104m <sup>2</sup>	52m <sup>2</sup>	0.12L

## Safety Notes

- Keep out of reach of children
- Do not get in eyes, on skin or clothing
- Do not breathe vapours, spray mist or dust
- Protect surrounding areas of the surface being coated
- Wash off splashes immediately

For further information please consult the technical data sheet