

## Technical Information Sheet Article No. 6569

# Historic Lime Paint

High quality coating on a "dispersed, white hydrated lime" base.

"True" mineral paint, does not silicify and therefore does not densify or harden the surface.

Reversible – corresponds to Venice Charter requirements.

Without organic binder additives and without titanium dioxide.

Does not cause allergies. Solvent and plasticizer free. No preservatives, naturally antiseptic.

### Range of use

Because of its composition and the resulting technical properties (see above), Remmers Historic Lime Paint is particularly suitable for use in interior areas on loam, lime, lime-cement and other mineral renders as well as on natural stone, concrete and other absorbent, cementitious substrates.

Due to its characteristics and natural, pure mineral ingredients Historic Lime Paint is especially suitable for the field of monument preservation and ecological housing construction.

The combination of coordinated products in the Remmers Historic Lime Paint System based on dispersed white hydrated lime opens a wide spectrum for highly varied and creative designs and applications.

### Property profile

Historic Lime Paint is based on a dispersed, white hydrated lime binder with carbonate fillers and does not contain a (plastic) dispersion.

As a "true" mineral paint, Historic Lime Paint adheres without "silicification" and therefore has no

### Characteristic data of the product

#### Characteristic data of the product in the packaged state:

Binder:	dispersed white hydrated lime
Density:	1.54 g/cm <sup>3</sup>
Viscosity:	roller, brush and spraying consistency
Thinning agent:	water
pH value:	> 11

#### Characteristic data of the coating:

Colour:	white, tinting may be carried out with Historic Lime Base Colour. When using lime resistant, dry pigments, check compatibility of pigments! The complete quantity needed should be mixed together to avoid deviations in the shade of colour.
Degree of gloss:	cloth matt
Hiding power:	good
Water vapour diffusion capacity:	S <sub>d</sub> < 0.03 m (DIN 52615)

#### Composition

Binder:	Dispersed white hydrated lime (calcium hydroxide in water)
Aggregate/filler:	Calcium carbonate from natural sources
Property enhancing additives < 0.5%:	Among others, cellulose

Remmers Historic Lime Paint does not contain any synthetic binder additives or titanium dioxide.

densifying or hardening effect, making it complete reversible.

Historic Lime Paint forms a capillary-active pore space which means that it is not only water

vapour permeable but also permeable for liquid water.

Selected, high quality raw materials and patented preparation of the binder provide high hiding power.

Historic Lime Paint is very easy to work and possesses further positive technical properties:

- Highly diffusion capable
- Capillary-active
- Cloth matt
- Low stress
- High adhesion power on cementitious substrates
- Weather resistant
- Highly resistant against alternating frost-thaw loads
- Environment friendly

Because the dispersed, white hydrated lime binder is highly alkaline, Historic Lime Paint provides natural protection against the formation of fungus and mould. Historic Lime Paint does not contain any toxic biocidal ingredients or fungicides.

#### **Intended use:**

Historic Lime Paint is an easy to use paint with good filling properties and hiding power. It is used to produce fine, smooth surfaces.

#### **Substrate**

The substrate must be dry, clean, load-bearing, free of loose material, dust and residue from release agents, oil and grease. Coatings that do not adhere soundly, but also intact, old dispersion bound coatings must be thoroughly removed. Concentration of binder close to the surface ("sinter skin") on substrates to be coated must also be removed prior to coating. Wash off old distemper and lime paints completely. Highly absorbent substrates should be wet down prior to coating with Historic Lime Paint. Test the absorption behaviour of the substrate on a sufficiently large trial area. When executing coating work, observe VOB, part C, section 3.1.3. To avoid seams, coat larger adjoining surfaces in one operation.

#### **Filling**

Uneven load-bearing surfaces and missing areas should be levelled with Historic Lime Filler (Art. No.

6562) or Historic Fine Lime Filler (Art. No. 6564).

#### **Texture adjustment**

If the texture of the substrate needs to be adjusted, use Historic Lime Wash (Art. No. 6566).

#### **Working**

Stir Historic Lime Paint well before using.

#### **Coating construction**

After the substrate has been respectively pre-treated, apply 2 coats of Historic Lime Paint. Depending on the application, Historic Lime Paint may be diluted with up to 10% water.

#### **Application procedure**

The paint can be applied with a brush, roller or by spraying. Stir well and pour through a sieve first when using in airless spraying equipment. Do not use at temperatures below +8°C (substrate and ambient temperature).

#### **Drying time**

The paint is touch dry after 4 to 6 hours at +20°C and 65% relative humidity and can be coated over after 24 hours.

The coated surfaces are to be subsequently wet down, in several working operations if necessary. Wetting down causes the binder to carbonate more quickly. This improves technical properties and considerably reduces chalking of the surface.

Drying time is delayed at lower room and wall temperatures as well as at higher humidity and there is a risk that spots may form due to superficial sintering.

#### **Covering measures**

The surrounding area, especially glass, ceramic, varnished surfaces, clinker, natural stone, metal, untreated and coated wood should be carefully covered.

#### **Notes**

The products in the Historic Lime Paint System (paint, grout, filler, fine filler, intensive colour paints) can all be used in combination. This allows nearly any shade of

colour and practically any surface texture. Non-system additives (e.g. oils, casein) should never be added.

To avoid seams, always coat wet-on-wet in one working operation.

The pure mineral ingredients used in Historic Lime Paint are subject to natural fluctuations, so always use respective products with the same batch number for adjoining surfaces!

The manner and frequency of follow-up treatment (e.g. subsequent wetting) as well as e.g. different room climates lead to different optical appearances of the Historic Lime Paint System (e.g. intensification of colour). The final resulting colour should be tested on a suitable, sufficiently large trial area. For the reasons given above, any resulting deviations in colour do not constitute a defect of the product.

#### **Tools and Cleaning**

Brush, lambskin roller, airless spraying equipment. All tools and splashed paint can be cleaned with water while the material is fresh.

#### **Packaging, application rate, shelf-life**

##### **Packaging:**

20 kg plastic buckets

##### **Application rate:**

Approx. 250-350 g/m<sup>2</sup> per coat on smooth substrates, correspondingly more on rough substrates. The exact application rate should be determined with a trial coating.

##### **Shelf-life:**

Shelf-life is approx. 12 months in unopened, original containers, stored frost-free.

#### **Safety, ecology, disposal**

Further information concerning safety during transport, storage and handling as well as for disposal is found in the latest Safety Data Sheet.

The statements above are compiled from our field of production and according to the latest technological developments and application techniques.

Since application and working are beyond our control, no liability of the producer can be derived from the contents of this information sheet. Any statements made beyond the contents of this information must be confirmed in writing by the producer.

In all cases, our general conditions of sale are valid. With the publication of this Technical Information Sheet all previous editions are no longer valid.

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