

Technical Information Sheet
Article No. 6400 - 6430

Silicone Paint LA

Pigmented silicone resin emulsion paint.
Coating contains a film preservative to protect surfaces at risk of infestation with alga or fungi

Range of use

Because of its characteristics, Remmers Silicone Resin Paint LA is used as a water repelling, highly water vapour permeable protective coating for cementitious building materials, especially in combination with Remmers Impregnation Primer. Because it can also be formulated as a scumble and because of its mineral-like character, Silicone Resin Paint LA is especially suitable for use on natural stone - a most difficult coating substrate - in historical monument protection areas.

Silicone Resin Paint LA can also be used as a restoration coating on load-bearing silicate, silicone and matt, weathered dispersion coatings, synthetic resin renders and functioning, bonded heat insulation systems.

It is not suitable for use on plastic, thermoplastic and elastic coating systems. These systems must be completely removed first with Remmers Graffiti Remover.

Property profile

Silicone Resin Paint LA, which is normally used for new construction and in industrial areas, is chosen more and more often as a coloured protective coating for protected historical objects because of its

micro-porous, mineral-like characteristics. The coating has the following properties:

- High water vapour and carbon dioxide permeability
- Positive influence on the heat balance of buildings in compliance with DIN 4108
- Does not prevent a carbonation reaction
- No loss of strength because of drying out too quickly, especially on renders in compliance with DIN 18 550, P I and P II.
- Highly tight against liquid water (driving rain and splash water)
- Does not darken when wet
- No moisture penetration under extreme weather conditions
- Does not swell

Building materials protected with

Silicone Resin Paint LA absorb only very little water when it rains and these small amounts are easily given off in dry periods. Because of this, the building material remains essentially dry and damage caused by moisture is avoided.

Little tendency to soil

- non-thermoplastic
- low stress
- cleans itself in rain

Easy to use

- slightly alkaline coating system
- no spotting or streaking
- easily coated over
- practically inert against iron and manganese minerals



Characteristic data of the product

Characteristic data in the packaged state

Binder:	low molecular silicone resin emulsion
Pigments:	lightfast and alkali resistant oxide pigments
Density:	1.45 - 1.53 g/cm ³ , depending on colour
Viscosity:	ready to brush or roll
Thinning agent:	water
pH value:	8-9

Characteristic data of the coating

Water vapour permeability according to DIN EN ISO 7783-2:	$S_d \leq 0.05$
Water absorption coefficient according to DIN EN ISO 1062-3:	$w: \leq 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$
Degree of gloss:	matt, mineral-like character
Surface texture:	smooth
Adhesive pull strength on untreated surfaces:	$> 0.6 \text{ N/mm}^2$
on weathered, old coatings:	$> 0.4 \text{ N/mm}^2$
Weather resistance:	very good
Tendency to soil:	little
Behaviour under fire according to DIN 4102:	Class A 2 non-combustible (test certificates available)
Colours:	white, clear, according to colour chart and special shades

Unlimited colour variation

- wide range colour collection from pastel to full colours
- dries matt, independent of the substrate
- mineral-like character
- can also be formulated as a scumble for natural stone

High weather resistance

- UV light-proof
- resistant to industrial pollution and micro-organisms
- excellent bonding to all mineral substrates
- can be applied to old, weathered coatings

Environmentally correct

- water dilutable
- non-corrosive

Substrate

The substrate must be dry, clean, load bearing, free of loose material, dust, release agents, oil and grease residue. Remove non-adhering coats of paint or other coatings thoroughly. Clean weathered coatings with a high pressure jet.

Directions

Priming:

- Prime load bearing, untreated cementitious substrates as well as bonded heat insulation systems in compliance with DIN 4102 "A II" that have a mineral finishing coat with Remmers Impregnation Primer.
Application rate: 0.2 - 0.4 l/m², depending on absorbency of the substrate.
- Prime weathered, sanding, untreated cementitious substrates and chalking coats of silicate paint with Remmers Primer SV or Remmers Hydro Deep Primer.
Application rate: 0.2 l/m² and more, depending on substrate condition, in one or more applications.
- Weathered, matt dispersion and silicone paints as well as synthetic resin renders and bonded heat insulation systems in compliance with DIN 4102 "B 1" should only be

primed if necessary, using Primer SV or Hydro Deep Primer.

Filling:

Level uneven, primed surfaces with Silicone Resin Filler.

- Texture Adjustment
If the texture of the substrate needs adjustment, apply Remmers Silicone Resin Filling Paint LA.
Application rate: approx. 0.3-0.5 kg/m²
- Intermediate coat
On substrates with even textures, an intermediate coat of Remmers Silicone Resin Paint LA is applied.
- Finishing coat
Apply a finishing coat of Remmers Silicone Resin Paint LA to the white or coloured intermediate coat.

Between the individual working operations, a drying time of at least 6 hours should be observed, depending on ambient conditions. Protect from direct sunlight and rain according to trade rules. Do not use at temperatures below +5 °C.

Application rates may vary and are determined by the absorbency and texture of the substrate. Exact quantities should be determined on a trial area.

When applying, observe VOB [German contract procedures in the building industry], part C, paragraph 3.1.3. Larger, continuous surfaces should be coated wet, all at one time, to avoid streaks or seams. Always use paint with the same batch number when coating continuous surfaces.

Scumble technique

This technique is used to adjust colour on natural stone, brick, etc. that has been restored with Remmers Restoration Mortar.

Mixing ratio:

Mix 1 part Remmers Silicone Resin Paint LA "full colour" with 2-4 parts Funcosil® WS (Art. Nr. 0614) or Remmers Silicone Resin Paint LA clear (Art. No. 6410),

depending on the degree of the scumble effect desired and the task at hand. When treating entire surfaces with a scumble effect, work should be carried out with the semi-scumble variations, Remmers Historic Grout Scumble or Remmers Historic Scumble. Remmers Silicone Resin Paint LA clear (Art. No. 6410) should only be used to adjust the degree of the scumble effect in the following products: Silicone Resin Paint LA, Historic Grout Scumble and Historic Scumble.

Tools, cleaning

Brush, lamb-skin roller.
Clean brushes, equipment and any splashes with water while the paint is still fresh.

Packaging, application rate, shelf-life

Packaging:
5 l and 15 l plastic buckets

Application rate:
Intermediate coat:
approx. 0.25 l/m²

Finishing coat:
approx. 0.20 l/m²

Shelf-life:
At least 12 months stored cool but frost-free in original containers.

Safety, ecology, disposal

Further information on safety when transporting, storing and handling as well as disposal and ecology are found in the latest Safety Data Sheet.

Product code

M-SF 01

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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