

SILACOTE SILICATE PAINT SILACOTE SILICATE PRIMER

**DESCRIPTION:
SILACOTE SILICATE
PRIMER**

Waterborne full-matt one-component silicate primer for priming of concrete, lime plaster, cement plaster, lime-cement plaster, and sand-lime brick surfaces, drywall, GFRC and magboard (MgO). Suitable for surfaces previously painted with silicate, lime, lime-cement and cement paints. SILACOTE Silicate primer is not recommended for surfaces which are painted with organic paints, unless complete removal is undertaken.

EXAMPLES OF USE

Residential, commercial, industrial, historical, and storage buildings

TECHNICAL DATA

Coverage

5 – 8 m²/l, one coat application. Coverage is determined by roughness and porosity of the surface as well as painting method and conditions.

Solids volume

About 15%

Density

About 1.05 g/cm³

Thinner

Water

Application

Brush, roller, airless spray.
Nozzle of spray 0.017" – 0.019" or 0.41 – 0.45 mm

Drying Time
At 23°C and 50% relative
humidity of the air

Recoat after 12 hours

Storage and transport

Protect from frost. Keep in dry premises with the temperature of the air not lower than +5°C

Packaging

10 L

Storage time

Tightly closed in the original can 2 years after the manufacturing date

SILACOTE SILICATE PAINT

SILACOTE SILICATE PRIMER

DESCRIPTION: SILACOTE SILICATE PAINT

Waterborne full-matt one-component silicate paint for exterior and interior painting of concrete, lime plaster, cement plaster, lime-cement plaster, and sand-lime brick surfaces, drywall, GFRC and magboard (MgO). Suitable for surfaces previously painted with silicate, lime, lime-cement and cement paints. SILACOTE Silicate paint is not recommended for surfaces which are painted with organic paints, unless complete removal is undertaken.

EXAMPLES OF USE

Residential, commercial, industrial, historical, and storage buildings

TECHNICAL DATA

Coverage

3 – 6 m²/l, one coat application. Coverage is determined by roughness and porosity of the surface as well as painting method and conditions.

Color Range

White. Tintable in shades on SAKRET DESIGN, VIVACOLOR and TIKKURILA Color card

Solids volume

About 50%

Density

About 1.40 g/cm³

Water vapor resistance

S_{d, H₂O} < 0.05 m, perms > 68 up to 90 plus

CO₂ diffusion resistance

S_{d, CO₂} < 1 m

Thinner

SILACOTE SILICATE PRIMER

Application

Brush, roller, airless spray.
Nozzle of spray 0.017" – 0.027" or 0.41 – 0,65mm

Drying Time At 23°C and 50% relative humidity of the air

Recoatable after 12 hours

Finish

Full matt

Base paint

Base A, Base B, Base C

Weather resistance

Good. UV-resistant in all components.

Storage and transport

Protect from frost. Keep in dry premises with the temperature of the air not lower than +5°C

Packaging

2.7 L and 9 L

Storage time

Tightly closed in the original can 2 years after the manufacturing date

SILACOTE SILICATE PAINT SILACOTE SILICATE PRIMER

**DESCRIPTION:
SILACOTE SILICATE
TEXTURED PAINT**

Waterborne one-component texture coat silicate paint that contains structure fillings (chalk). Can be used for exterior and interior painting of concrete, lime plaster, cement plaster, lime-cement plaster, and sand-lime brick surfaces, drywall, GFRC and magboard (MgO). Suitable for surfaces previously painted with silicate, lime, lime-cement and cement paints SILACOTE Silicate paint is not recommended for surfaces which are painted with organic paints, unless complete removal is undertaken.

EXAMPLES OF USE

Residential, commercial, industrial, historical, and storage buildings

TECHNICAL DATA

Coverage

2.5 – 3.5 m²/l, one coat application. Coverage is determined by roughness and porosity of the surface as well as painting method and conditions.

Color Range

White. Tintable in shades on SAKRET DESIGN - VIVACOLOR - TIKKURILA Color card

Solids volume

About 70%

Density

About 1.60 - 1.66g/cm³

Water vapor resistance

S_{d, H₂O} < 0.05 m, perms > 68 up to 90 plus

**CO₂ diffusion
resistance**

S_{d, CO₂} < 1 m

Thinner

SILACOTE SILICATE PRIMER

Application

Brush, roller, airless spray.
Nozzle of spray 0.037" – 0.040" or 0.90 – 0.94 mm

**Drying Time
At 23°C and 50% relative
humidity of the air**

Recoatable after 12 hours

Finish

Texture and full matt

Base paint

Base A, chalk filled

Weather resistance

Good. UV-resistant in all components.

Storage and transport

Protect from frost. Keep in dry premises with the temperature of the air not lower than +5°C

Packaging

3 L and 10 L

Storage time

Tightly closed in the original can 2 years after the manufacturing date

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INSTRUCTION FOR USE

Pretreatment

Remove dirt, dust and salts from **unpainted surfaces**. Treat concrete element surfaces at the earliest after one heating period blasting. Treat new plaster surfaces after 1-2 months of hardening time.

Remove organic paints totally from **previously painted surfaces** mechanically or by using paint remover which is rinsed off with high pressure washing with water. Patch opened cracks, holes and hollows with suitable cement mortar, and plaster surfaces with lime or lime-cement mortar. Allow patches to harden before painting. SILACOTE Silicate paint will not bond to synthetic compounds such as silicone, high polymer patching compounds and epoxy. Use inorganic, cement based materials only. Any organic based materials are unacceptable.

Porous, soft, or dusting surfaces or old existing mineral coats may be petrified and stabilized by a pre-treatment with SILACOTE Primer.

Painting Conditions

The surface to be painted must be dry, the temperature of the air not lower + 5°C, and the relative humidity of the air bellow 80%. Do not prime or paint under strong sun light or wind.

Priming and painting

Protect those parts which are not meant to be treated such as window glass, metal surfaces etc. Stir SILACOTE Silicate paint thoroughly before use. Prime **solid and hard surfaces** according to specified 3 coat or 2 coat process. For the 2 coat process, prime surface once with a mixture made of SILACOTE Silicate primer and SILACOTE Silicate paint (mixing ratio 1:2). Finish with SILACOTE Silicate paint at the earliest after 12 hours from priming. SILACOTE Silicate paint can be diluted max. 10% with SILACOTE Silicate primer. Always keep a wet edge and work to corners, edges and openings before stopping.

Prime porous and absorbent surfaces using wet-in-wet system with a mixture made of SILACOTE Silicate primer and pure water (till 50% water by volume). Painting can be started at the earliest after 12 hours from priming. Apply two coats of SILACOTE Silicate paint which can be diluted max. 10% with SILACOTE Silicate primer. A drying time of at least 12 hours should be kept between the coats.

Clean tools with water immediately after use

Cleaning of tools

ENVIRONMENTAL

Empty cans and liquid waste should be recycled or disposed of in accordance with local regulations

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Application system

Two-coat-system:

Base prime coat: SILACOTE silicate paint diluted up to maximum of one third (2 parts paint 1 part primer) with SILACOTE Primer.

Finish/Top coat: SILACOTE silicate paint undiluted.

Three-coat-system:

Base coat: SILACOTE Primer

Intermediate coat: SILACOTE silicate paint **or** SILACOTE Texture paint

Finish/Top coat: SILACOTE silicate paint undiluted

Water or any other materials may NOT be added before and during application except SILACOTE primer as specified. For best visual result on the final coat it is important to work quickly wet-in-wet maintaining a wet edge, out of direct sunlight. Work from corner to corner or use an architectural feature or opening as a starting and stopping point