

# 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. 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 m<sup>2</sup>/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/cm<sup>3</sup>

#### 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

Recoatable 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. 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 m<sup>2</sup>/l, one coat application. Coverage is determined by roughness and porosity of the surface as well as painting method and conditions.

#### Color Range

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

#### Solids volume

About 50%

#### Density

About 1.40 g/cm<sup>3</sup>

#### Water vapor resistance

$S_{d, H_2O} < 0.05$  m, perms > 68 up to 90 plus

#### CO<sub>2</sub> diffusion resistance

$S_{d, CO_2} < 1$  m

#### Thinner

SILACOTE SILICATE PRIMER

#### Application

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

#### 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. 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 m<sup>2</sup>/l, one coat application. Coverage is determined by roughness and porosity of the surface as well as painting method and conditions.

#### Color Range

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

#### Solids volume

About 70%

#### Density

About 1.60 - 1.66g/cm<sup>3</sup>

#### Water vapor resistance

$S_{d, H_2O} < 0.05$  m, perms > 68 up to 90 plus

#### CO<sub>2</sub> diffusion resistance

$S_{d, CO_2} < 1$  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

# SILACOTE SILICATE PAINT

## SILACOTE SILICATE PRIMER

### 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 below 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.

#### Cleaning of tools

Clean tools with water immediately after use

#### ENVIRONMENTAL

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

# SILACOTE SILICATE PAINT

## SILACOTE SILICATE PRIMER

### 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