

# SILPRO

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## CALCRETE

All-Purpose Patch  
Portland Cement-Based  
Polymer Modified  
Featheredge to 1/2"

SILPRO CORPORATION / 2 NEW ENGLAND WAY / AYER, MA 01432-1514 / 800-343-1501 / 978-772-4444 / FAX 978-772-7456 / WWW.SILPRO.COM

**Silpro Calcrete All-Purpose Patch** is a Portland cement-based, polymer-modified, mortar proven in service over 25 years to be a superior underlayment, patching, and surfacing material.

**Calcrete** may be used indoors, outdoors, above and below grade. After curing it is unaffected by wide temperature changes or standing water, and maintains its bond strength through years of freeze/thaw cycles. **Calcrete** bonds readily to concrete, wood, brick, patio block, etc.

### USES

- An underlayment and leveler for tile and carpeting over concrete and wood.
- A resurfacing and patching material for worn, pitted, spalled or deteriorated concrete surfaces.
- A bedding material over concrete for patio block, semi-glazed and quarry tile, flagstones, slate, etc.
- A vertical and overhead patching material.

### ADVANTAGES

- Self-bonding
- Just add water
- Rapid strength development
- Can be featheredged
- Excellent bond strength
- Self-curing under normal conditions

### TEST DATA

Compression	7 Days – 4040 psi
	28 Days – 4470 psi

### SURFACE PREPARATION

Surfaces must be clean and sound. Remove deteriorating concrete, loose material, oil, grease, wax, form-release agents, and all foreign matter. A mechanical method of surface preparation is recommended.

### SURFACE PREPARATION CONTINUED

Rusted or corroded metal within the patch area must be sand-blasted or wire-brushed clean. Coat all metal with an antirust sealer such as a slurry coat of **Silpro C-21 All Acrylic Admix and Calcrete**, and let dry.

Remove dirt, mildew, etc., from masonry surfaces by washing or mopping up. Use a strong cleaner such as tri-sodium phosphate, if necessary, and then rinse thoroughly.

Painted surfaces should be wire brushed or sand blasted to expose at least 90% of the substrate. Remove water-soluble materials like white wash, calcimine, etc.

Concrete or masonry surfaces to be worked should be damp but must be free of running water. Saturated vertical surfaces must be allowed to drain and standing water on horizontal surfaces should be swept, blown, or squeegeed away.

Wooden floors must be clean, rigid, and well fastened.

Wood and smooth surfaces like tile should be primed with undiluted **C-21 All Acrylic Admix**.

### APPLY A TEST PATCH

To confirm the suitability of the surface for adhesion of the coating, and that the final appearance and function will be as the owner, architect, and contractor expect, install a test patch at the maximum designed thickness anticipated on the project and subject it to anticipated service conditions before beginning the entire job.

### MIXING

Place **Calcrete** in a clean container or machine mixer. Add enough clean potable water to create a creamy mortar mix — approximately 4 quarts. Mix thoroughly and let the mixture stand for 3-5 minutes to allow the additives and resins to dissolve.

Mix to the desired troweling consistency, adding more water only if necessary. Do not mix more **Calcrete** than can be used in one hour.

For Customer Service, Call Silpro at 1-800-343-1501

## APPLYING

**For Featheredges:** Push the material beyond the edge of the area to be worked and pull the excess back into the center of the mix. Large areas should be screeded.

**For deep patches or for application over very porous surfaces:** First apply a slurry of Calcrete.

Use a stiff masonry brush and work the material well into the surface. Then apply the trowel mix.

**For patches over 1/2" deep:** See Product Data Sheet for **Silpro Mascrete**.

When placement is complete and smooth, finish **Calcrete** with a trowel or float. **Calcrete** will hold a broom finish for a non-skid surface.

Depending upon depth and conditions, **Calcrete** will begin to set up in one hour.

**Clean up:** Clean equipment and tools with water during and immediately after use.

## CURING

**Calcrete** cures quickly. Most applications will be cured and able to carry weight in 12 hours. Heavy traffic areas or deep patches may require up to 48 hours.

In areas exposed to high temperatures and strong air movement the **Calcrete** surface should be covered with sheetplastic or wet burlap.

**Calcrete** may be painted in 14 days with masonry-compatible paints.

## LIMITATIONS

- Apply **Calcrete** only if temperature of air, surface, and material is above 50°F. (10°C.) and will not fall below that for 48 hours after application.
- Keep patched area above 32°F. (0°C.) for a total of 7 days.
- Do not add set-accelerating admixtures.
- Protect from strong winds and/or direct sun during placement and finishing.
- For temperatures higher than 90° F. consult with Silpro's Technical Service Department.
- In storage **Calcrete** is unaffected by temperature but must be kept dry.

## PACKAGE SIZE

40# Plastic-lined bag (18.14 kg.)

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## APPROXIMATE COVERAGE

**Per 40# bag:**

80 sq. ft. (17.5 sq. m.) at 1/16" thickness

40 sq. ft. (13.7 sq. m.) at 1/8" thickness

20 sq. ft. (1.9 sq. m.) at 1/4" thickness

## SHELF LIFE

1 year

### CAUTION!

Contains Portland cement and silica. Irritating to eyes and skin. Product is alkaline upon contact with water. During mixing and application avoid contact with eyes. In case of such contact, flood eyes repeatedly with water and CALL PHYSICIAN. Avoid breathing dust. Avoid prolonged contact with skin. Use of gloves is recommended. Wash hands thoroughly after use and before smoking or eating. Do not take internally.

**See Material Safety Data Sheet for detailed information.**

Use adequate ventilation. The use of a NIOSH/MSA approved dust respirator, safety goggles, and protective gloves is recommended.

**FOR COMMERCIAL USE ONLY.  
NOT FOR INTERNAL CONSUMPTION.  
KEEP OUT OF REACH OF CHILDREN.**

Dispose of in accordance with local, state, and federal regulations.

In case of a medical emergency or for information regarding spillage clean up or disposal call INFOTRAC: 800-535-5053.

## GUARANTEE

Silpro Corporation guarantees that their products are made of the finest raw materials under exacting care to produce products of the highest quality and will perform as stated when used in accordance with the manufacturer's printed instructions.

Improper mixing, incorrect application or other factors beyond the control of the manufacturer may produce unsatisfactory results and can not be held to be the manufacturer's responsibility. Silpro accepts no responsibility beyond the purchase price of the Silpro product used.

For further product information on **Calcrete** consult your local dealer or Silpro Corporation, Ayer, MA, at: 800-343-1501, 978-772-4444, FAX 978-772-7456.

Made in the USA 7/06