

# Silk Patching & Finishing Compound

## 1 Product Name

Silk Patching & Finishing Compound

## 2 Manufacturer

Custom Building Products  
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## 3 Product Description

A fast-curing, calcium aluminate based, patching and finishing compound that provides a smooth finish to a variety of substrates prior to the installation of floor coverings. Formulated with Controlled Cure Technology,™ Silk helps eliminate installation problems of bond failure, crumbling, mildew and staining of resilient flooring due to free-moisture found in traditional underlayments. Its rapid setting formula allows installation of most floor coverings in as little as 30 minutes.

### Key Features

- Superior mixing and handling
- Excellent for skim coat patching applications
- No additives required
- Apply from featheredge to 1"
- Install flooring in as little as 30 minutes

### Uses

#### Suitable as an Underlayment for:

- Carpet
- Wood, parquet
- Vinyl composition tile (VCT)
- Sheet vinyl flooring
- Laminated flooring
- Pavers, brick
- Stone, terrazzo tile

#### Suitable Substrates

- Absorbent concrete
- Lightweight concrete
- Gypsum-based underlayments
- Existing ceramic tile
- Primed cement terrazzo
- Exterior grade plywood & OSB
- Cutback adhesive residue
- Resilient flooring
- Embossed vinyl
- Approved and prepared moisture control membranes

#### Composition of Product

Silk Patching & Finishing Compound is a blend of cements, inorganic fillers and polymers.



### Benefits of Product in the Installation

- Quick-setting formula permits floor covering installation in as little as 30 – 90 minutes
- Smooths the finishes on interior subfloors
- Patches and levels concrete and plywood from feather edge to 1" (25mm)
- No additives required

### Limitations to the Product

- Do not bond to hardwood, Luan plywood, particleboard, parquet, cushion or sponge back vinyl flooring, metal, fiberglass or plastic.
- Do not use when temperature is below 50°F (10°C).
- Not for use in areas with continuous water exposure (ie: showers, swimming pools, spas, water features and fountains).

### Packaging

10 lb (4.5 kg) Bags

## 4 Technical Data

### Applicable Standards

ASTM International (ASTM)

- ASTM C627 Standard Test Method for Compressive Strength of Hydraulic Cement Mortars (Using 2-in. or (50-mm) Cube Specimens)
- ASTM F1869 Standard Test Method for Linear Shrinkage
- ASTM F710 Standard Test method for Flexural Strength

Resilient Floor Covering Institute (RFCI) Recommended Work Practices for Removal of Resilient Floor Coverings

Tile Council of North America (TCNA) TCNA Handbook for Ceramic Tile Installation, TCNA Method EJ171.

American National Standards Institute (ANSI) ANSI A108.01 and A108.02 of the American National Standards for the Installation of Ceramic Tile

### Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of this product may contribute to LEED® certification.

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## 5 Instructions

### General Surface Prep

**USE CHEMICAL-RESISTANT GLOVES, such as nitrile, when handling product.**

All surfaces must be structurally sound, clean, dry and free from contaminants that would prevent a good bond. Concrete must be fully cured. Refer to final flooring manufacturer's requirements for maximum moisture vapor transmission limitations. Smooth concrete surfaces, existing glazed tile, terrazzo, or polished stone may need to be roughened or scarified. For increased performance in demanding applications, concrete surfaces can be mechanically profiled and prepared by shotblasting, sandblasting, water-jetting, scarifying, diamond-grinding or other engineered approved methods (reference ICRI CSP 3 standards for acceptable profile height). Sheet vinyl must be well bonded and stripped of old finish.

### Bonding to OSB and Gypsum Surfaces

OSB or gypsum-based underlayments must first be treated with [RedGard® Waterproofing and Crack Prevention Membrane](#) and must obtain a minimum 2000 psi (13.8 MPa) compressive strength at the recommended cure time. The underlayment must be sufficiently dry and properly cured to the manufacturer's specifications for permanent, non-moisture permeable coverings. Surfaces must be structurally sound and subject to deflection not to exceed the current industry standards All OSB and gypsum-based underlayment surfaces to receive Silk must be primed with properly applied sealer or a primer coat of RedGard®, consisting of 1 part RedGard® diluted with 4 parts clean, cool water. The primer can be brushed, rolled or sprayed to achieve an even coat. Apply the primer coat to the floor at a rate of 300 ft/gallon (7.5 M/L). Drying time depends on site conditions, but is normally less than 1 hour. Extremely porous surfaces may require 2 coats.

### Bonding to Cement Surfaces

Contaminants or curing compounds should be mechanically removed before installation. Concrete must be free of efflorescence and not subject to moisture beyond the floor covering manufacturers' limits or hydrostatic pressure. Lightweight concrete surfaces must have a tensile strength in excess of 200 psi (1.4 n/mm<sup>2</sup>).

### Bonding to Plywood Surfaces

Plywood floors, including those under resilient flooring, must be structurally sound and must meet all industry guidelines. For questions about proper subfloor installation, call Custom® Building Products.

### Bonding to Cutback Adhesive

Adhesive layers must be removed. **Use extreme caution;** adhesives may contain asbestos fibers. Do not sand or grind adhesive residue, as harmful dust may result. Never use adhesive removers or solvents, as they soften the adhesive and may cause it to penetrate into the concrete. Adhesive residue must be wet-scraped to the finished surface of the concrete, leaving only the transparent staining from the glue. To determine desirable results, do a test bond area before starting. Refer to the RFCI Pamphlet, "Recommended Work Practices for Removal of Resilient Floor Coverings", for further information.

### Mixing Ratios

Combine 2 parts powder to 1 part water.

### Mixing Procedures

Slowly add powder to liquid while mixing with a high speed drill (650 RPM or more) and mixing paddle to a lump-free consistency. Mix amounts that can be applied in 10 minutes.

### Application of Product

Apply material into all voids up to 1" (25 mm) thickness using a broad knife or trowel and finish flush with surface. For skim coating, use a smooth edged trowel to flatten the surface area. Only spot patching should be done on wood surfaces. If an area more than 5 ft. (1.5 M) in diameter is required, use an appropriate CustomTech™ self-leveling underlayment.

### Curing of Product

VCT, sheet vinyl and carpeting can be installed when surface can be worked on without damage (usually about 30 - 60 minutes). Parquet, athletic flooring and flooring requiring special adhesives (such as epoxies and urethanes) which can be sensitive to the presence of moisture can be installed after 16 hours. Drying time depends on ambient conditions and thickness.

### Cleaning of equipment

Clean with water before material dries.

### Health Precautions

This product contains Portland cement. Avoid eye contact or prolonged contact with skin. Wash thoroughly after handling. If eye contact occurs, flush with water for 15 minutes and consult a physician. Use with adequate ventilation; do not breathe dust and wear a NIOSH approved respirator. If ingested, do not induce vomiting; call a physician immediately.

### Conformance to Building Codes

Installation must comply with the requirements of all applicable local, state and federal code jurisdictions.

## 6 Availability & Cost

Location	Item Code	Size	Package
USA	SILK10T	10 lb (4.5 kg)	Bag

## 7 Product Maintenance

Properly installed product requires no special maintenance.

## 8 Technical Services Information

For technical assistance, contact Custom technical services at 800-272-8786 or [contact us online](#).

## 9 Filing System

Additional product information is available from the manufacturer upon request.

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## 10 Related Products

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### Coverage

SQUARE FOOT COVERAGE PER 10 LB BAG (SQUARE METER PER 4.5 KG). Coverage will vary depending on the texture of the surface being smoothed.

THICKNESS	MIN COVERAGE	MAX COVERAGE
As a Skim Coat	100 ft <sup>2</sup> (9 M <sup>2</sup> )	300 ft <sup>2</sup> (27 M <sup>2</sup> )
1/8" (3 mm)	33.3 ft <sup>2</sup> (3 M <sup>2</sup> )	35.9 ft <sup>2</sup> (3.3 M <sup>2</sup> )
1/4" (6 mm)	16.6 ft <sup>2</sup> (1.5 M <sup>2</sup> )	17.9 ft <sup>2</sup> (1.6 M <sup>2</sup> )
1/2" (12 mm)	8.3 ft <sup>2</sup> (0.7 M <sup>2</sup> )	8.9 ft <sup>2</sup> (0.8 M <sup>2</sup> )
1" (25 mm)	4.1 ft <sup>2</sup> (0.3 M <sup>2</sup> )	4.4 ft <sup>2</sup> (0.4 M <sup>2</sup> )
1-1/2" (38 mm)	2.7 ft <sup>2</sup> (0.25 M <sup>2</sup> )	2.9 ft <sup>2</sup> (0.27 M <sup>2</sup> )