

SpeedFinish™ Patching & Finishing Compound

1. Product Name

SpeedFinish™ Patching & Finishing Compound

2. Product Description

A fast-curing, cement-based patching, and skim coating compound that provides a smooth finish to a variety of interior substrates prior to the installation of resilient floor coverings. Excels at being an embossed vinyl floor leveler. It helps eliminate installation problems such as bond failure, crumbling, and staining of resilient flooring caused by the free moisture found in a traditional underlayment.

Key Features

- For patching and repairing floor surfaces
- Apply from feather edge up to 1 in (25 mm)
- It allows installation of some floor coverings in as little as 15 minutes

Suitable Substrates

- Concrete
- RedGard® Waterproofing and Crack Prevention Membrane
- Exterior Grade Plywood (interior applications)
- Ceramic tile, pavers, brick
- Stone
- Concrete terrazzo
- Sheet vinyl
- VCT
- Cutback adhesive (non-water soluble)

*Other substrates may require special preparation; primers may be required. Contact Technical Services.

Composition of Product

SpeedFinish™ is a blend of specialty portland cements, specialty polymers, and chemicals.

Benefits of Product in the Installation

- Engineered with Controlled Cure Technology®
- Fast curing for time critical installations
- Install most floor coverings in as little as 15 minutes
- Reduces the chance for bond failure and crumbling of resilient flooring
- No additives or primers required

Limitations to the Product

- Do not use over particle board, metal or hardwood or parquet floors.
- If applying over lightweight concrete, gypsum underlayment, OSB, and some metals, contact Technical Services for primer requirements.
- Do not use over cushion backed vinyl flooring.
- Do not use when the temperature is below 50 °F (10 °C).

Packaging

8 lb (3.6 kg) Boxes

3. Technical Data

Applicable Standards

American National Standards Institute (ANSI) American National Standards for the Installation of Ceramic Tile:

- ANSI A108.01 General Requirements: Subsurfaces and Preparations by Other Trades
- ANSI A108.02 General Requirements: Materials, Environmental, and Workmanship



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ASTM International (ASTM):

- ASTM C191 Standard Test Methods for Time of Setting of Hydraulic Cement by Vicat Needle
- ASTM C1933 Standard Test Methods for Floor Patching and Skim Coating Compounds Containing Hydraulic Cements
- ASTM C1857 Standard Test Method for Evaluating the Adhesion (Pull-Off) Strength of Concrete Repair and Overlay Mortar

Other Applicable Standards:

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

Environmental Consideration

Custom® Building Products is committed to environmental responsibility in both products produced and in manufacturing practices. Use of All Purpose Patch General Patching Compound can contribute to LEED® certification. Complies with CA Section 01350 and CDPH V1.2-2017.



4. Instructions

General Surface Prep

Always wear proper protective equipment when handling the product, including IMPERVIOUS GLOVES, such as nitrile, safety glasses, and a NIOSH N95 respirator (mask).

Surfaces must be structurally sound, clean, dry and free from grease, oil, dirt, curing compounds, sealers, adhesives or any other contaminant that would prevent a good bond. Glossy or painted surfaces must be sanded, stripped and cleaned of waxes, dirt or any contaminants. Concrete must be cured for 28 days and accept water penetration. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a broomed or brushed finish to enhance the bond. Plywood and OSB flooring including those under resilient flooring must be structurally sound and meet all ANSI and deflection requirements. For questions about proper subfloor installation, call Technical Services. Smooth concrete surfaces, existing glazed tile, terrazzo, or polished stone should be roughened or scarified. Sheet vinyl must be well-bonded and stripped of old finish. Roughen the surface by sanding or scarifying, rinse and allow to dry. Expansion joints should never be bridged with patching material. Do not sand flooring materials containing asbestos. Ambient temperature, surfaces and materials should be maintained at a temperature above 50° F (10° C) or below 100° F (38° C) for 72 hours.

Bonding to Concrete Surfaces

Concrete must be fully cured and must accept water penetration. Test by sprinkling water on various areas of the substrate. If water penetrates, then a good bond can be achieved; if water beads, surface contaminants are present, and loss of adhesion may occur. Contaminants should be mechanically removed before installation. Concrete must be free of efflorescence and not subject to hydrostatic pressure. Concrete slabs should have a broomed or brushed finish to enhance the bond. Smooth concrete slabs must be mechanically abraded to ensure a good bond.

Bonding to Gypsum Surfaces

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, and must have a sound stable surface. The underlayment must be sufficiently dry and properly cured to the manufacturer's specifications for permanent, non-moisture permeable coverings. Surfaces to be tiled must be structurally sound and subject to deflection not to exceed the current ANSI Standards. All gypsum-based underlayments surfaces to receive RedGard® 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. Mix in a clean bucket at low speed to obtain a lump-free solution. 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 ft²/gallon (7.5 m²/L). Drying time depends on site conditions, but is normally less than 1 hour. Extremely porous surfaces may require 2 coats. At this point, RedGard® can be applied to the primed or gypsum-based surface according to the product data sheet or packaging directions. Expansion joints must be installed in accordance with local building codes and ANSI/TCNA guidelines. Refer to TCNA EJ171.

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Bonding to Plywood and OSB Surfaces

Plywood floors, including those under resilient flooring, must be structurally sound and must meet all ANSI A108.01 Part 3.4 requirements. See TCNA F150. For questions about proper subfloor installation, call Custom® Building Products. For specialty coated or treated OSB surfaces, consult Custom Technical Services.

Bonding to Cutback Adhesive

Adhesive layers must be removed, as they reduce mortar bond strength to cement surfaces. 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 8 lb (3.63 kg) box of powder to 2 quarts (1.89 L) of clean water or 2 parts powder to 1 part water. Mix to a honey-like consistency.

Mixing Procedures

Slowly add powder to liquid while mixing with a low speed drill (300 RPM or less) and mixing paddle to a lump-free consistency. Mix amounts that can be applied in 10 minutes. Substitute Patching Latex Additive for water for better bond strength over cutback adhesive, sheet vinyl, terrazzo, ceramic tile, plywood, and when leveling embossed sheet vinyl flooring.

Application of Product

Always wear proper protective equipment when handling the product, including IMPERVIOUS GLOVES, such as nitrile, safety glasses, and a NIOSH N95 respirator (mask).

Dampen all surfaces except for wood. Force material into all cracks and 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 level the surface area. Only spot patching should be done on wood surfaces. If a leveling layer over 5 ft. (1.5 M) in diameter is required, use an appropriate Custom® self-leveling underlayment.


Cleaning of Equipment

Clean with water before material dries.

Health Precautions

DANGER: CAUSES SEVERE SKIN BURNS AND SERIOUS EYE DAMAGE. PROLONGED OR REPEATED INHALATION OF DUST MAY CAUSE LUNG DAMAGE OR CANCER. DO NOT BREATHE DUST OR SWALLOW. You cannot rely on pain to alert you to cement burns. Portland cement can cause dermatitis or sensitization. A NIOSH N95 respirator (mask) is recommended, especially in poorly ventilated areas, when use is frequent, or when permissible exposure limits may be exceeded. Immediately wash contaminated body and clothing thoroughly. If in eyes: rinse cautiously with water for several minutes; remove contact lenses if easy to do; continue rinsing. If inhaled: remove person to fresh air and keep comfortable for breathing. If swallowed: rinse mouth; do NOT induce vomiting. If you experience a burn, rash or skin irritation: immediately see a doctor. Immediately seek medical attention if any symptoms are significant or persist. In Emergency: 1-800-535-5053. **Contains portland cement and crystalline silica.** Before handling read Safety Data Sheet at www.custombuildingproducts.com.

KEEP OUT OF REACH OF CHILDREN.

 **WARNING:** This product can expose you to chemicals including crystalline silica, which is known to the State of California to cause cancer, and hexavalent chromium compounds, which are known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Conformance to Building Codes

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

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Product Warranty

NOTICE: Obtain the applicable **LIMITED WARRANTY** at www.custombuildingproducts.com/warranties or send a written request to Custom Building Products, Inc., Five Concourse Parkway, Atlanta, GA 30328, USA. Manufactured by or under the authority of Custom Building Products, Inc. © 2025 Quikrete International, Inc.

Product Maintenance

Properly installed product requires no special maintenance.

Technical Services Information

For technical assistance, contact Custom technical services at 800- 272-8786 or visit custombuildingproducts.com.

5. Ordering: Item Code and Sizes

ITEM CODE	DESCRIPTION	UOM DESC
SF8	USA SpeedFinish™	8 lb (3.6 kg) Box
CSF8	Canada SpeedFinish™	8 lb (3.6 kg) Box

Coverage Chart

SQUARE FOOT COVERAGE PER 8 LB BAG (SQUARE METER PER 3.63 KG)

Thickness	Min Coverage	Max Coverage
Skim Coat	200 ft ² (18.6 m ²)	240 ft ² (22.3 m ²)