

# All Purpose Patch General Patching Compound

## 1. Product Name

All Purpose Patch General Patching Compound

## 2. Product Description

A fast-setting, polymer-modified, cement-based compound that provides a smooth finish on interior subfloors prior to the installation of a wide variety of floor coverings. Mix with water only to patch, level or skim coat concrete up to 1/2" (12 mm) thick per application. Install floor coverings in as little as 60 – 90 minutes.

### Key Features

- Patches and smooths existing flooring from featheredge to 1/2" (13 mm)
- Floor coverings can be placed in as little as 60 to 90 minutes

### Suitable Substrates

- Absorbent Concrete

### Composition of Product

All Purpose Patch General Patching Compound is a blend of calcium aluminate cement, polymer, and ultrafine specialty aggregate.

### Benefits of Product in the Installation

- Quick-setting formula permits floor covering installation in as little as 60-90 minutes
- Smooths the finishes on interior subfloors
- Patches and levels concrete to 1/2" (13 mm)

### Limitations to the Product

- Do not bond directly to hardwood, lauan plywood, particleboard, parquet, cushion or sponge back vinyl flooring, metal, fiberglass, plastic or OSB panels.
- Do not use over gypsum underlayment, OSB, particleboard, hardwood floors, parquet floors, or metal.
- Do not use over cushion backed vinyl flooring.
- Do not use when temperature is below 50°F (10°C).
- Do not use as a primary wear surface.

### Packaging

25 lb (11.34 kg) Bags

## 3. Technical Data

### Applicable Standards

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



### Technical Chart

Test	Method	Value
<b>Vicat Set Time</b>	ASTM C191	
Initial Set		Approx. 15 Minutes
Final Set		Approx. 20 Minutes
<b>Compressive Strength</b>	ASTM C1933	
1 Day		>1500 psi (10.3 Mpa)
7 Days		>3500 psi (24.1Mpa)
28 Days		>3500 psi (24.1 Mpa)
<b>Adhesion</b>	ASTM C1857	
Unprimed		>200 psi (1.38 Mpa)
Primed		>250 psi (1.72 Mpa)

### 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. 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.

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## Mixing Ratios

Mix 4.0-4.25 qt (3.8-4.0- L) clean, cool water to a 25 lb (11.34 kg) bag of All Purpose Patch General Patching Compound or for smaller applications mix approximately 1 part liquid to 3 parts powder to achieve a honey-like consistency.

## 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 only amounts that can be applied in 5-10 minutes depending on surface porosity and temperatures.

## Application of Product

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

Apply material into all voids up to 1/2" (12 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. If an area more than 5 ft. (1.5 M) in diameter is required, use an appropriate Custom® self-leveling underlayment.

## Cleaning of Equipment

Clean tools and hands with soap and water.

## 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](http://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](http://www.P65Warnings.ca.gov).

## Conformance to Building Codes

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

## 5. Size & Availability

Location	Item Code	Package
USA	APP25	25 lb (11.34 kg) Bag
Canada	CAPP25	25 lb (11.34 kg) Bag

## 6. Product Warranty

**NOTICE:** Obtain the applicable **LIMITED WARRANTY** at [www.custombuildingproducts.com/product-warranty](http://www.custombuildingproducts.com/product-warranty) 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.

## 7. Product Maintenance

Properly installed product requires no special maintenance.

## 8. Technical Services Information

For technical assistance, contact Custom® Building Products.

## 9. Filing System

Additional product information is available from the manufacturer upon request.

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Coverage Chart

Thickness	Min Coverage	Max Coverage
1/8" (3 mm)	27.65 ft² (2.57 M²)	31.39 ft² (2.92 M²)
1/4" (6 mm)	13.82 ft² (1.28 m²)	15.70 ft² (1.46 m²)
1/2" (12 mm)	6.91 ft² (0.64 m²)	7.85 ft² (0.73 m²)