

CHEMBOND®



2101

CHEMPATCH® 2101

Rapid-Set Cement Patch

Product Description

Chempatch 2101 is a rapid-setting, polymer-modified, cement-based floor-patching compound. When mixed with water, it can smooth, level and patch imperfections in concrete and approved wood underlayment prior to floor-covering installation.

When mixed with *Chempatch Additive 2015*, *Chempatch 2101* can be used as an embossing leveler or a skimcoat over approved materials or cutback adhesive residue. (See *Chempatch Additive 2015's* Product Data Sheet for detail and additional uses.)

Features

- A rapid-setting cement patch used to achieve a perfect substrate for all types of floor coverings.
- Cement-based as required by most flooring manufacturers.
- High compressive strength to resist heavy traffic and rolling loads.

Uses

- Flashing, smoothing, sloping, leveling and patching of imperfections in approved substrates.
- Spot or small-area repairs of less than 1,52 m (5 ft.) diameter, from 1/32" (1 mm) to 1/2" (12 mm) thick.

An additional layer up to 12 mm (1/2") may be applied over a completely dry layer for a total thickness of 1" (2,5 cm).

Use for interior applications when substrate temperatures are between 10°C (50°F) and 32°C (90°F).

TECHNICAL QUICK REFERENCE

Approximate Coverage*

(at 3 mm [1/8"] depth)

Per 10-kg (22-lb.) bag2,60 m² (28 ft²)

* Coverage is for estimating purposes only. Actual coverages may vary according to substrate texture.

Product Characteristics

(at 22°C [72°F] and 50% relative humidity)

Pot life8 to 10 minutes

Final set30 to 40 minutes

Drying time prior to floor covering.....60 to 90 minutes

Compressive strength

(ASTM C-109)>27,58 MPa (>4,000 psi) at 28 days

We proudly support the following industry organizations:



Approved Substrates

All surfaces must be structurally sound, level and clean of all substances that can weaken the adhesive's bond to the substrate. These include, but are not limited to concrete sealers and curing agents, existing adhesive, dirt, wax, tar, paint, loose toppings, and any other contaminants that may prevent or reduce bond performance. If the surface contains these substances, they must be mechanically removed. The use of solvents and acid etching is not recommended.

Approved Substrates Properly Prepared (see the "Substrate Requirements for Floor Coverings" sheet for preparation details)

- Fully cured concrete (at least 28 days old) with no more than 1,36 kg per 92,9 m² per 24 hours (3 lbs. per 1,000 ft² per 24 hours) of moisture vapor emission (ASTM F1869) with a pH of 5 to 9.
- APA Type 1 exterior-grade, CC-plugged plywood, CSA 0121 or 0151 (NIST PS 1-95).
- Any underlayment or substrate approved by the flooring manufacturer for the specific type of installation.

Note: Products like oriented strand board (OSB) and lightweight concrete (gypsum) typically are not recommended by floor-covering manufacturers. Consult Technical Services (1-888-243-6263) for installation recommendations regarding substrates and conditions not listed.

Technical Information/Limitations

- For interior use only.
- *Chempatch Additive 2015* must be used under the following circumstances (see *Chempatch Additive 2015's* Product Data Sheet or contact Technical Services for details):
 - When applying a skim coat of less than 1,5 mm (1/16").
 - When applying over excessively absorbent substrates.
 - When applying over certain materials not approved in the "Approved Substrates" section.
 - When applying over properly prepared cut-back adhesive residues.

- Should not be used as a wear layer.
- If the repair is larger than 1,52 m (5 ft.) across, use a self-leveling underlayment instead of *Chempatch 2101*.
- Substrate temperature should be between 10°C (50°F) and 29°C (85°F), and mixing water should be approximately 16°C (60°F).
- Do not cover or fill expansion or control joints. These are designed to prevent cracks through the body of the slab and should not be covered.

Tip: Extremes within the recommended range of substrate porosity, moisture content, slab temperature and mixing water temperature may affect *Chempatch 2101's* setting time. For example, *Chempatch 2101* applied to a 10°C (50°F) concrete slab mixed with 10°C (50°F) water will take nearly twice as long to set as under optimal conditions. On the other hand, if a slab is excessively warm and absorbent, cooler water or *Chempatch Additive 2015* can extend the pot life.

Mixing/Application

1. The mixing ratio is 1 part water to 3 parts powder by volume, or 3,33 L (3.52 U.S. qts.) of water per 10-kg (22-lb.) bag. For best results, add the powder to clean water gradually while mixing with a slow-speed mixer. Mix completely to a smooth, even consistency.
Tip: The performance of cement-based products is directly related to the amount of water used during initial mixing. Too much or too little water will adversely affect product performance.
2. Immediately apply the patch using a flat trowel.
3. Key in the initial application, then build the area to needed thickness. This will improve the bond to the substrate.
4. Wash tools and mixing head immediately with cool water and a firm brush. Once dried, *Chempatch 2101* will be difficult to remove, even from polished steel.

Important Notice

Before using, user shall determine the suitability of the product for its intended use, and user alone assumes all risks and liability whatsoever in connection therewith. Any claim shall be deemed waived unless made in writing to us within fifteen (15) days from date it was, or reasonably should have been, discovered.

CONTACT US

Chembond®
MAPEI® Inc.
2130 Williams Parkway
Brampton, Ontario L6S 5X7
www.chembond.com

Other Locations
Laval (QC) • Delta (BC)

Customer Service
Phone: 1-888-243-6263
Fax: (905) 799-2436
E-mail: customer@chembond.com

Technical Questions
Phone: 1-888-243-6263
E-mail: technical@chembond.com