

# CHEMBOND®

## ScratchBond™ 8200

### Scratchcoat Mortar For Metal Lath

#### Product Description

ScratchBond 8200 is a Portland-cement-based scratchcoat mortar for use with metal lath on plywood subfloors and countertops prior to setting ceramic tile and stone.

#### Features

- An economical, dense, single-component, Portland-cement-based scratch mortar.
- For use with metal lath to create a “semi-floating underlayment system.”
- Mix with water only.

#### Uses

- Apply to metal lath that is attached to exterior-grade plywood on interior residential subfloors and countertops. Doing so creates a “semi-floating underlayment system” that reduces the potential for in-plane cracking of installed ceramic tile and stone.
- Exterior-grade plywood as described under the “Approved Substrates Properly Prepared” section is acceptable as a substrate only when used in a dry interior area for residential-duty floor or countertop installation. Do not apply over single-layer wood floors. (See the “Substrate Requirements for Tile” document.)
- Use when the ambient and/or substrate temperature is between 10°C and 35°C (50°F and 95°F).
- Do not use over presswood, oriented strand board (OSB), particleboard, chipboard, Masonite, Lauan, gypsum floor-patching or gypsum leveling compounds, metal or other dimensionally unstable materials.
- Do not add anything — besides water — to ScratchBond 8200.
- Do not use for projects subject to prolonged water immersion (such as pools, fountains and steam rooms).
- Do not use on walls or vertical surfaces.
- For interior use only.
- Do not use on exterior commercial-building facades (such as malls, office buildings and high-rise residential units).
- Do not use as a mortar to set any tile or stone.

#### Substrate Requirements

All surfaces must be structurally sound, level and clean of all substances that can weaken the mortar's bond to the substrate. These include, but are not limited to, concrete sealers or curing agents, existing adhesive, dirt, wax, tar, paint and loose toppings. If the surface contains these substances, they must be mechanically removed.

### TECHNICAL QUICK REFERENCE

#### Approximate Coverage\*

A 22,7-kg (50-lb.) bag of ScratchBond 8200 will fill about 4,65 m<sup>2</sup> (50 ft.<sup>2</sup>) of metal lath.

*\* Coverage is for estimating purposes only. Actual coverage may vary according to substrate conditions, total underlayment thickness and setting practices.*

#### Product Characteristics

(at 23°C [73°F] and 50% relative humidity)

Pot life .....	About 2-1/2 hours
Color .....	Gray
Cleanability .....	With clean water while fresh
Packaging .....	22,7 kg (50 lbs.)
Shelf life.....	12 months when stored in original sealed container at room temperature in a dry area. Protect from moisture, freezing and excessive heat.
Health and safety.....	Consult the Material Safety Data Sheet (MSDS) for safe-handling instructions.

We proudly support the following industry organization:



## Approved Substrates Properly Prepared (see "Substrate Requirements for Tile" document for preparation details)

### Floors and countertops in dry areas only

1. COFI-classified SELECT or (SEL-TF) exterior-grade plywood conforming to the CSA-0121 Standard for Douglas fir.
2. See ANSI AN-3.4.3 "Requirements for Carpentry" guidelines.
3. Ensure that the substrate is structurally sound and free of excessive movement. Check flooring for missed fasteners and lack of support, correcting where necessary.
4. Wood subfloors must be dry to acceptable moisture standards (with a maximum moisture content of 12%). High moisture content in subfloors reduces fastening strength and generates significant stress movements as the plywood dries.
5. Ceramic and porcelain tile installations require an L/360 deflection rating. Stone industry standards require an L/720 deflection rating.

Note: Consult Technical Services (1-888-243-6263) for installation recommendations regarding substrates and conditions not listed.

### Installing Metal Lath

1. Use corrosion-proof nails, screws or staples to attach galvanized metal lath directly to the plywood floor or plywood countertop. Sides and ends of metal lath should abut (not overlap) throughout the entire installation surface. Staples should be a minimum of 16 mm (5/8") in width and depth. For best stapling results, use a pneumatic staple gun or electric stapler. A hammer tacker also may be used.
2. Fasten the metal lath every 10 to 15 cm (4" to 6") in each direction in the field, and every 5 to 10 cm (2" to 4") on the seams and perimeter.

### Mixing (for a 22.7-kg [50-lb.] bag)

1. Mix only as much *ScratchBond*™ 8200 as can be used in 2-1/2 hours.
2. Add 3,79 L (1 U.S. gal.) of cool, clean water to a mixing container. (Nothing else should be added to *ScratchBond* 8200.)
3. Gradually add 22.7 kg (50 lbs.) of *ScratchBond* 8200 powder while slowly mixing (at 300 rpm or less).
4. Mix thoroughly to a homogenous and smooth consistency. (Avoid prolonged mixing, which will trap air and shorten pot life.)
5. Wait 10 to 15 minutes.
6. Remix without adding more powder or water.
7. Some stiffening may occur before all material is used (about 2-1/2 hours). If so, stir by hand or machine, but do not add any more water.
8. Wash hands and tools with water.

### Application (of *ScratchBond* 8200 to metal lath)

1. With the trowel's flat side, completely fill 100% of the metal lath with a uniform coat of *ScratchBond* 8200. Firmly tamp and screed the *ScratchBond* 8200.

Note: The final applied thickness, including the metal lath, should be from 3 mm (1/8") up to 12 mm (1/2").

2. Allow *ScratchBond* 8200 to dry in the metal lath. The minimum cure time is 24 hours (depending on the applied thickness and ambient temperature).
3. In hot or dry conditions, ensure that *ScratchBond* 8200 does not flash-set. Any material that has "skinned over" should be removed and replaced with fresh material.
4. Wash hands and tools with water.

### Application (of tile or stone mortar)

After *ScratchBond* 8200 has cured in the metal lath, install ceramic tile or stone with an appropriate Chembond mortar (following the manufacturer's instructions).

### Grouting

After the setting mortar has cured, grout tile joints with an appropriate Chembond grout (following the manufacturer's instructions).

### Expansion and Control Joints

1. Provide for expansion and control joints where specified.
2. Do not cover or bridge any expansion joints with *ScratchBond* 8200, metal lath or surfacing material.
3. Cut tiles on both sides along the edges of expansion joints.
4. Protect tilework with metal strips along both edges of structural building expansion joints.
5. Install the specified compressible bead and sealant in all expansion and control joints.

### Protection

1. Allow for adequate perimeter expansion at walls, staircases, doors, entries and other areas where metal lath abuts a change in plane.
2. Provide for dry, heated storage on site and deliver materials at least 24 hours before installation begins.
3. Protect installation from adverse weather, freezing, and continuous-water conditions or immersion during and after installation.
4. After installing ceramic tile, protect floors from light and general foot traffic for the time specified by the mortar manufacturer.
5. Because temperature and humidity (during and after installation of *ScratchBond* 8200) affect the curing time of cement-based materials, allow extra time for curing and protection when job-site temperatures drop below 16°C (60°F) and/or when relative humidity is higher than 70%.

### 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

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