



USG SECUROCK™ BRAND GYPSUM-CONCRETE PATCH (FORMERLY PYROFILL®)

Great for repairing poured-in-place roof decks such as gypsum roof decks and lightweight insulating concrete surfaces.

- Durable: over 500 psi compressive strength
- Fast installation
- Noncombustible
- Feather-edge where needed

DESCRIPTION

USG Securock™ Brand Gypsum-Concrete Patch is mill formulated and composed of specially calcined gypsum and wood chips or shavings. It is mixed at the job site with clean water only and poured in place as a patch for existing gypsum decks. USG Securock Gypsum-Concrete Patch is noncombustible and used in several UL-approved roof deck systems.

ADVANTAGES

Exceptional Strength: Engineered to provide over 500 psi of compressive strength that will accept foot traffic and fasteners within four hours of application.

Fire Performance: USG Securock Gypsum-Concrete Patch is a noncombustible material that provides excellent fire performance and is used in several UL-approved roof deck systems.

Versatile: Can be used as a patch in many roof decks such as gypsum, vermiculite concrete, perlite concrete and cellular foam concrete.

LIMITATIONS

- Protect from moisture in storage and on the job.
- Close open bags as tightly as possible; discard compromised or old open bags.
- Not to be applied over moist or wet surfaces.
- Must be protected from direct exposure to moisture after installed.
- Shelf life of six months under protected storage conditions.

INSTALLATION

- Keep all equipment clean.
- Use only clean water for mixing: do not add sand, aggregate or any other material.
- Deck must be structurally sound and free from debris or contaminants that might prevent proper bonding of USG Securock Gypsum-Concrete Patch. Weak or deteriorated material must be removed from the deck to provide a solid base.
- Add USG Securock Gypsum-Concrete Patch to water.
- Spread slurry at once after mixing and screed to desired thickness.
- DO NOT retemper USG Securock Gypsum-Concrete Patch.
- Machine mixing: Use 5–5.6 gal. (18.9–21.2 L) of clean water per 50 lb. (22.6 kg) of USG Securock Gypsum-Concrete Patch; do not overwater.
- Mixing can be accomplished with mortar mixer or pail and drill with a mortar mixer attachment.
- This product provides a minimum dry density of 50 lb./cu. ft. (801 kg/m³).
- Sets in 30–60 minutes.
- Use a spread of 6 sq. ft. per bag for a 2" slab.
- Mechanically attach base sheet to surface after material has set.
- Recommended formboard is: 5/8" USG Securock® Brand Glass-Mat Roof Board or 5/8" USG Securock® Brand Gypsum-Fiber Roof Board.
- If retarder is needed, use USG Gypsum Plaster Retarder (Standard Strength). See *USG Gypsum Plaster Retarder* (P783) for more information.

FIRE PERFORMANCE

- Noncombustibility in accordance with ASTM E136.
- Fire-rated and approved for use in UL Roof Deck Systems (P676, P503, P207, P229, P505, P507, P783).

STANDARDS COMPLIANCE

USG Securock Gypsum-Concrete Patch is manufactured to conform to ASTM C317, "Standard Specification for Gypsum Concrete."

PHYSICAL PROPERTIES

Bags per pallet	70
Weight, nominal lb./pallet	3,500
Weight, nominal lb./bag	50
Compressive strength after set	>500 psi (3.4MPa)
Set time	30-60 minutes
Dry density	50-52 pcf
R value	0.67 °F.ft ² :h/Btu/inch, per ASTM C518

SUBMITTAL APPROVALS

Job Name	
Contractor	Date

PRODUCT INFORMATION

See usg.com for the most up-to-date product information.

DANGER

May cause cancer by inhalation of respirable crystalline silica. Do not handle until all safety precautions have been read and understood. Use only in a well-ventilated area, wear a NIOSH/MSHA-approved respirator. Wear protective gloves/protective clothing/eye protection. If swallowed, inhaled, or skin irritation occurs immediately get medical attention. When mixed with water, this material hardens and becomes very hot sometimes quickly. DO NOT attempt to make a cast enclosing any part of the body using this material. Dust from mixing may cause irritation to eyes, skin, nose, throat and upper respiratory tract. If on skin: Wash with plenty of water. Dispose of in accordance with local, state, and federal regulations. For more information call Product Safety: 800 507-8899 or see the SDS at usg.com
KEEP OUT OF REACH OF CHILDREN.

TRADEMARKS

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NOTE

Products described here may not be available in all geographic markets. Consult your USG Company sales office or representative for information.

NOTICE

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

SAFETY FIRST!

Follow good safety/industrial hygiene practices during installation. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read SDS and literature before specification and installation.

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usg.com

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