

PRODUCT DATA SHEET

SikaWall® Fiber-47 Scratch & Brown 690 Sanded

Formerly BMI 690 Standard w/fibers.

PRODUCT DESCRIPTION

A factory controlled high-quality blend of portland cement, lime, fibers and proprietary additives that conforms to ASTM C926 which is designed as a replacement to job-site mixed scratch and brown basecoats.

USES

As a stucco base, apply SikaWall® Fiber-47 Scratch & Brown 690 Sanded over:

- SikaWall®-9000 PermaLath® 1000 glass fiber lath or metal lath, including an appropriate water resistive barrier and slip sheet.
- Properly prepared Concrete masonry and concrete substrates.

CHARACTERISTICS / ADVANTAGES

- Easy to use, only requires only the addition of water
- Maybe be applied by Spray or hand applications
- Due to the thickness in its application, SikaWall® Fiber-47 Scratch & Brown 690 Sanded holds onto moisture longer, thus, curing slower and minimizing suction on the wall surface resulting in more color uniformity, reduced cracking and higher yield of finish coat applications

APPROVALS / STANDARDS

Meets ASTM C-926 for Portland Cement based plaster.

PRODUCT INFORMATION

Chemical Base	▪ Binder: Portland cement. ▪ Reinforcement: Polypropylene fibers. ▪ Aggregate: Conforms to ASTM C926
Packaging	80 lbs. (36 kg) net weight in a multi-wall moisture resistant bag.
Shelf Life	12 months from date of production if stored properly in original, unopened and undamaged sealed packaging.
Storage Conditions	Store dry, off ground and protect from rain and moisture.

APPLICATION INFORMATION

Coverage	Approximate coverage, depending on the condition of substrate and the thickness of application is based on uniform thickness and zero waste factor
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(adjust accordingly):

- at 3/8 in. (9.5mm): 20-24 ft² (1.8-2.2 m²)
- at 3/4 in. (19mm): 10-12 ft² (0.9-1.1 m²)
- Coverage may vary due to ambient temperature, surface temperature, surface porosity, mixing methods, application methods, amount of water, wall type and lath type. Coverage must be verified in the field using the same procedures and conditions that will be present at the project.

Open Time

Sets in 30-45 minutes after mixing, depending on conditions.

BASIS OF PRODUCT DATA

Results may differ based upon statistical variations depending upon mixing methods and equipment, temperature, application methods, test methods, actual site conditions and curing conditions.

LIMITATIONS

- Ambient and surface temperature must be 40°F (4°C) or higher during application and drying time. Protect from freezing for a period of not less than 48 hours after set has occurred. Provide supplemental heat and protection from precipitation as needed.
- Ambient and surface temperatures must not exceed 120°F (49°C) during and 24 hours after application.
- Avoid application in direct sunlight in hot weather.
- For application to very dense or smooth concrete, contact Sika Technical Services for additional information.

SUBSTRATE PREPARATION

- On masonry and concrete, apply only to surfaces that are sound, clean, dry, unpainted, and free of any residue which may affect the ability of SikaWall® Fiber-47 Scratch & Brown 690 Sanded to bond to the surface.
- Solid bases shall have sufficient suction (ability to absorb water) or surface roughness or both to ensure an adequate bond for SikaWall® Fiber-47 Scratch & Brown 690 Sanded.
- On lathed construction, apply to lathing installed in accordance with ASTM C1063.
- SikaWall® Fiber-47 Scratch & Brown 690 Sanded requires a water-resistive barrier installed and flashed in accordance with the building code and to form a water-shedding surface. Stucco is not a water-resistive barrier.
- Install water resistive barrier (type and method of application) per specifications.
- Do not apply to substrates which are frozen or contain frost or ice.
- Apply to surface prepared for portland cement plaster. Mix and install scratch and brown coats in accordance with ASTM C926.
- For additional surface preparation options contact Sika Technical Service.

MIXING

- Use clean equipment for mixing and preparation.
- Add to plaster mixer about 1.75 gallons (6.6L) of water for each 80-pound (36 kg) bag of SikaWall® Fiber-47 Scratch & Brown 690 Sanded to be mixed in a batch. Mixing water shall be cool potable at a uniform temperature above 40°F/5°C. Maintain same water parameters for all batches.
- Add SikaWall® Fiber-47 Scratch & Brown 690 Sanded to the mixer.
- Use cool, clean, potable water; let hose run to clear it of hot water. Adjust water for workability.
- Mix at low speed for a minimum of 3 minutes, until the mixture is smooth. Do not overmix; never mix more than 5 minutes.
- Mix each batch for the same amount of time.
- Mix same size batches using the same amount of water, to ensure consistency.
- For hand applications, stop mixer and allow mix to slake for 8 minutes.
- Briefly re-mix before using (approximately 2 minutes). Use immediately after mixing.
- Do not retemper.
- SikaWall-73 Adacryl Admix & Bonder as an admix: Use up to 1 qt (1L) per bag of SikaWall® Fiber-47 Scratch & Brown 690 Sanded. After the dry components and the majority of the water has been mixed, add the acrylic admix in place of 1 qt (1L) of water. Mix no longer than required to provide a uniform mixture. DO NOT OVERMIX. Overmixing entrains excessive amounts of air which weaken the material. Do not re-temper mixes over 20 minutes old.
- Only Sika approved additives can be added to this product. NOTE: If SikaWall-73 Adacryl Admix & Bonder is mixed into SikaWall® Fiber-47 Scratch & Brown 690 Sanded and SikaWall Exterior Stucco Color Coat Finish is used, then SikaWall-73 Adacryl Admix & Bonder must be used in the SikaWall Exterior Stucco Color Coat Finish also. No unapproved additives are allowed.

APPLICATION

- Read the entire label before using this product.
- All materials are to be installed in compliance with local building code requirements, ASTM C926 and the current manufacturer's specifications.
- Thoroughly dampen concrete and masonry substrate if necessary before applying SikaWall® Fiber-47 Scratch & Brown 690 Sanded.
- Apply by hand trowel or plaster gun to a minimum thickness approximately 3/8 in. (9.5mm) thickness per coat. On lathed construction the total thickness of both

Product Data Sheet

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September 2026, Version 02.01

021820101000245837

- coats together shall be 3/4-7/8 inch (19-22mm).
- Surface of the first or scratch coat shall be scored horizontally or in one direction on ceilings to form a mechanical key for succeeding second or brown coat. Moist cure the scratch coat for 48 hours in accordance with the building code.
- For hand trowel applications dampen the surface of the dry SikaWall® Fiber-47 Scratch & Brown 690 Sanded as necessary prior to application of second coat. Darby, then rod the brown (second) coat to a true and even plane or specified tolerances. Float the brown coat uniformly to provide a surface receptive to the application of the finish coat.
- Interrupt SikaWall® Fiber-47 Scratch & Brown 690 Sanded application only at junctions of wall planes, openings or control joints to avoid cold joints and abrupt changes in the uniform appearance of succeeding coats.
- SikaWall® Fiber-47 Scratch & Brown 690 Sanded must be moist cured for the first 48 hours after it has set. Moist curing must be increased in dry weather and may be reduced in damp weather. There should be no visible water on the surface when a succeeding coat is applied.
- After moist curing, allow SikaWall® Fiber-47 Scratch & Brown 690 Sanded to dry thoroughly before applying acrylic primers or finishes.
- Allow SikaWall® Fiber-47 Scratch & Brown 690 Sanded to dry an additional 3 days if applying a SikaWall acrylic primer or additional 5 days if applying a SikaWall acrylic or portland cement finish.
- For portland cement-based stucco finish, lightly moisten the SikaWall® Fiber-47 Scratch & Brown 690 Sanded surface before application. NOTE: When a portland cement finish coat is to be applied the surface must be open (not smooth) by floating.
- The double back method is allowed per ASTM C926, the IBC and IRC.

LEGAL DISCLAIMER

- KEEP CONTAINER TIGHTLY CLOSED
- KEEP OUT OF REACH OF CHILDREN
- NOT FOR INTERNAL CONSUMPTION
- FOR INDUSTRIAL USE ONLY
- FOR PROFESSIONAL USE ONLY

Prior to each use of any product of Sika Corporation, its subsidiaries or affiliates ("SIKA"), the user must always read and follow the warnings and instructions on the product's most current product label, Product Data Sheet and Safety Data Sheet which are available at usa.sika.com or by calling SIKA's Technical Service Department at 1-800-933-7452. Nothing contained in any SIKA literature or materials relieves the user of the obligation to read and follow the warnings and instructions for each SIKA product as set forth in the current product label, Product Data Sheet and Safety Data Sheet prior to use of the SIKA product.

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September 2026, Version 02.01
021820101000245837

SikaWallFiber-47ScratchBrown690Sanded-en-US-(09-2026)-2-1.pdf

