

PRODUCT DATA SHEET

SikaWall®-500 Stucco Base Concentrate

Factory-blended mixture of Portland cement, reinforcing fibers, and other proprietary ingredients.

PRODUCT DESCRIPTION

SikaWall®-500 Stucco Base Concentrate is a concentrate which requires the addition of 90.7–108.9 kg (200–240 lbs) of plaster sand conforming to ASTM C144 or ASTM C897 and 18.9–22.7 liters (5–6 gallons) of potable water. SikaWall®-500 Stucco Base Concentrate conforms to ASTM C926, the standard specification for application of Portland cement-based stucco.

USES

For use with the Sika Stucco Wall Systems. Acceptable substrates include: PermaBase® Cement Board and other cement-boards conforming with ASTM C1325 (Type A-exterior); poured concrete/ unit masonry; ASTM C1177 type sheathings including eXP™ sheathing; GlasRoc® sheathing; Securock™ glass-mat sheathing; DensGlass™ exterior sheathing; GreenGlass sheathing and Weather Defense Platinum sheathing; gypsum sheathing (ASTM C79/ C1396), expanded polystyrene insulation board complying with ASTM C578 Type II with nominal 24 kg/m³ (1.5 lbs/ft³) density, Exposure I or exterior plywood (Grade C/D or better), or Exposure I OSB, to which an air/water-resistive membrane and lath are attached.

CHARACTERISTICS / ADVANTAGES

- Superior weathering properties; long-term durability
- Proprietary formulation; improved moisture resistance and low water absorption
- Fiber reinforced; resists shrinkage cracking when properly cured
- Needs only addition of water and sand; easy to mix and use with consistent results
- Concentrated for use with local sand; economical

PRODUCT INFORMATION

Packaging	36.3 kg (80 lbs) per bag.
Shelf Life	Eight months if stored as directed.
Storage Conditions	Protect Sika Facades materials during transportation and installation to avoid physical damage. Store in a cool, dry place.

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.

APPLICATION INSTRUCTIONS

MIXING

Use mixer which is clean and free of foreign substances. Add approximately 3 gallons (11.35 liters) of clean potable water, one bag of STUCCO BASE CONCENTRATE and approximately 60 lbs. (27.2 kg) of plaster sand to mixer. Mix for 3-4 minutes at normal mixing speed while adding an additional 140-180 lbs. (64-82 kg) of plaster sand and 1-3 gallons (3.8-11.35L) of water for workability. Total amount of sand needed per bag of STUCCO BASE CONCENTRATE equals 200-240 lbs. (91-109 kg). Allow material to set for 2-4 minutes and then remix adding water if necessary to achieve desired consistency. Desired consistency varies with type of application (trowel or gun), substrate (paper-backed lath or block) and whether the stucco is applied to a wall or a ceiling.

Note: Continuous mixing may cause excessive air entrainment.

APPLICATION

3/8"-1/2" thickness (9.5-12.7 mm) application.

1. Following surface preparation and installation of the lath and accessories apply selected SikaWall stucco base mixture to the approved substrate by hand troweling or machine spraying to a thickness of 3/8" to 1/2" (9.5-12.77 mm), completely embedding the lath.
2. Use rod and darby to level the applied base coat without exposing the lath.
3. After initial set begins and surface has sufficiently hardened, use sponge or hard rubber float as required to fill voids, holes or imperfections, leaving the surface ready to receive Sika Finish.
4. Moist cure for at least 48 hours by lightly and evenly fogging the surface with water at least twice a day. Direct sunlight, hot temperatures, low humidity and windy conditions may make additional fogging necessary.
5. Allow stucco base to cure a minimum of 6 days prior to application of EPS board shapes, Sika Facades base coat or SikaWall Stucco Surface Leveler, Stucco Prime, Sika Facades Tinted Primer or Sika Facades finish application.

3/4"-7/8" thickness (19-22mm) application.

1. Nominal plaster base coat thickness: i. First coat "scratch": 3/8" (9.5mm) ii. Second coat "brown": 3/8" (9.5mm)
2. Apply selected SikaWall stucco base mixture to the

- approved substrate by hand troweling or machine spraying with sufficient force to develop full adhesion between the stucco base mixture and the substrate.
3. Apply first coat to completely embed lath. Cross rake to provide key for second brown coat. Coat must be uniform in thickness. Ensure the first coat is properly "scratched" and sufficiently rigid to resist cracking prior to application and leveling of the second or "brown" coat.
4. Dampen scratch coat, apply brown coat to provide the required total thickness. Trowel Stucco Base into trim to seat trim. The lath shall be fully embedded in the coating and shall be completely covered. Coat must be uniform in thickness. Rod off to desired thickness, leveled with screeds, to provide a true, flat plane. Follow this by wood floating or darbying the surface.
5. After the surface has sufficiently hardened, use sponge or hard rubber float as required to fill voids, holes or imperfections, leaving the surface ready to receive Sika Facades Finish.
6. At subcontractor's option, the "double back" method of application, whereby the first and second coats are applied and cured as one system, may be used. If this system is used, the second coat (brown) should be applied as soon as the first coat is sufficiently rigid to resist cracking, the pressures of the second (brown) coat application and the leveling process.
7. Moist cure for at least 48 hours by lightly and evenly fogging the surface with water at least twice a day. Direct sunlight, hot temperatures, low humidity and wind may make additional fogging necessary.
8. Allow stucco base to cure a minimum of 6 days prior to application of EPS board shapes, Sika Facades base coat or SikaWall Stucco Surface Leveler, Stucco Prime, Sika Facades Tinted Primer or Sika Facades finish application.

LIMITATIONS

1. Surface and ambient temperatures must be between 40 F°(4.5°C) and 100°F (37.7°C) during the application process.
2. Ambient and surface temperatures must exceed 120°F (49°C) during and 24 hours after application.
3. Do not install stucco under hot, dry, or windy conditions.
4. Avoid applying in direct sunlight.
5. Protect walls from rain, snow, and frost for a period of 48-72 hours; otherwise, low strength, streaking, or efflorescence may occur.
6. Do not install stucco over accessories, such as lights, bullet boxes, hose bibs.
7. Texture will vary depending upon application technique and sand type; test installations are recommended.
8. Apply SikaWall®-500 Stucco Base Concentrate in a continuous application within the area defined by expansion joints; always work to a wet edge to eliminate cold joints.
9. Proper application is the responsibility of the user. Protect materials from moisture during shipment and

Product Data Sheet

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November 2024, Version 02.01

021820101000000243

storage.

Consult Sika Facades Technical Services Department at +1 (800) 589-1336 for specific recommendations concerning all other applications.

ENVIRONMENTAL, HEALTH AND SAFETY

For further information and advice regarding transportation, handling, storage and disposal of chemical products, user should refer to the actual Safety Data Sheets containing physical, environmental, toxicological and other safety related data. User must read the current actual Safety Data Sheets before using any products. In case of an emergency, call CHEMTREC at 1-800-424-9300, International 703-527-3887.

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.

SIKA warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within the product's shelf life. User determines suitability of product for intended use and assumes all risks. User's and/or buyer's sole remedy shall be limited to the purchase price or replacement of this product exclusive of any labor costs.

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