



BOND STRENGTH PRIMER & ADDITIVE

◆ The Pro's Choice Since 1936



Sakrete Bond Strength Primer & Additive is a latex copolymer bonding agent designed to be used as a primer in conjunction with Sakrete self-leveling materials and for improved bond of cement based repair products to existing concrete.

Features:

- Improves the bond between self-leveling material and existing concrete
- Interior/Exterior
- Re-emulsifiable adhesive
- Tinted yellow to ensure coverage, but dries clear
- Improves bond between cement-based repair materials and existing concrete

Use For:

- Priming porous concrete substrates
- As an admixture for Cement Based Repair materials
- Priming concrete floors prior to applying self-leveling product

Yield/Water/Coverage:

Bag Size	Coverage
Quart Size	87 – 100 sq. ft. (8.2 – 9.2 m ²) per diluted quart
Gallon Size	350 -400 sq. ft. (33-37 m ²) per diluted gallon

NOTE: Yield and water are approximate. The yield above does not allow for waste and spillage.

Technical Data:

Density – 8.9 lb/gal (1.07 kg/L)
 Drying Time – 1-3 hours at 70°F (21°C)
 Flash Point – None
 Flammability – Non Flammable
 Additional Information – Water-based

VOC:

<10 g/l

DIVISION 3

Common Work Results for Concrete – 03 05 00

LEED Eligibility:

- Regional Materials (MR-c5)
- Recycled Material (MR-c4)

Color:

Wet-Yellow
 Dry-Clear

Preparation:

For best results all materials should be stored between 40°F (4°C) and 100°F (38°C) 24 hours prior to installation.

Refer to:

- ACI 530.1 Specification for Masonry Structures
- International Masonry Industry All-Weather Council (IMIAC) Recommended Practices and Guild Specifications for Cold Weather Masonry Construction
- Recommended Practices and Guide Specifications for Hot Weather Masonry Construction

NOTE: it is the responsibility of the installer/applicator to ensure the suitability of the product for its intended use.

1. Use only when the product, air, and surface temperature are above 50°F (10°C) for a minimum of 24 hours.
2. Clean area and remove all unsound concrete, grease, oil, paint, efflorescence, and any other foreign materials that will inhibit performance.
3. Slick and sealed surfaces must be thoroughly roughened.
4. Concrete Substrate must be prepped to achieve a solid sound surface. Do not use any acids or chemicals.
5. Vacuum and or mop to assure the surface is dust and dirt free.

Refer to:

- ASTM D 4258 Standard Practice for Surface Cleaning for Coating
- ASTM D 4259 Standard Practice for Abrading Concrete

Mixing:

- Mix entire contents thoroughly before using. Do not shake.

Application:

1. Apply when air and substrate temperatures are between 40°F (4°C) and 100°F (38°C).
2. Do not apply over any standing water.
3. For typical concrete usage: Dilute the Sakrete Bond Strength Primer one to one (1:1) with water.
4. For highly porous concrete, 2 coats of the primer may be necessary. Do not use over non porous substrates.
 - a. First coat: Dilute the Sakrete Bond Strength Primer 1 to 3 (1:3) with water.
 - b. Second coat: Dilute the Sakrete Bond Strength Primer 1 to 1 (1:1).
5. Primer must be applied over the entire concrete surface using a broom being careful not to leave any bare spots, puddles or excess primer.
6. Allow the Bond Strength Primer to dry to a tacky translucent film with no milky wet spots. Typically drying times are 1-3 hours. If the primer turns clear within 30 minutes of application the substrate is highly porous and will require a second coat. This will typically take 1-2 hours to dry. Temperature and humidity will affect the drying times.
7. Sakrete Bond Strength Primer must dry completely before applying the self-leveling material.
8. If primer is not covered within 24 hours it must be reapplied again before applying the self leveling material.
9. Protect the primed concrete substrate from foot traffic.



◆ The Pro's Choice Since 1936

When used as an admixture recommended dilution. Refer to cement based repair materials recommended water amounts to be used.

Water dilutions as an admix: Admixture to Water:

Stucco	1:3
Concrete repair materials	1:3
Plaster	1:3
Surface Bonding Cement	1:3
Scratch and brown coats	1:3
Cement water resistant mats	1:3
Mortar mixes	1:2
Sand mixes	1:2
Concrete mixes	1:1
Bond slurry coats	1:1

Curing:

1. Proper curing is critical for sound results. Curing means maintaining proper moisture and temperature.
2. In hot or windy conditions keep the material damp to promote adequate curing.
3. Drape plastic over the wall to help retain moisture
4. If surface begins to appear dry, remove the plastic, moisten the surface and replace the plastic.

Precautions:

Air, mix and substrate temperatures should be between 40°F (4°C) and 100°F (38°C) and no rain in the forecast within 24 hours of application. For applications outside this range of temperatures and conditions, contact Sakrete Technical Service.

- Colder temperatures or higher humidity conditions will retard set times
- Do not apply over painted or frozen substrates.
- Do not apply thicker than 8 mils wet film thickness in one coat.
- Use only clean mixing container and tools.
- Protect from freezing.
- Do not apply or use over adhesive residue.

NOTE: Proper application and installation of all Sakrete products are the responsibility of the end user.

Safety:

For additional information, call manufacturer at 866-725-7383 or CHEMTREC at 800-424-9300 or 703-527-3887 outside of the USA. Refer to Safety Data Sheet (SDS) for further information.

KEEP OUT OF REACH OF CHILDREN.

ANGER

HAZARD STATEMENTS: Harmful if swallowed. Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause cancer. Causes damage to organs through prolonged or repeated exposure.

PRECAUTIONARY STATEMENTS: Do not eat, drink or smoke when using this product. Wash skin thoroughly after handling. Contaminated work clothing must not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Wear protective gloves/protective clothing/eye protection/face protection. Do not breathe dust. If swallowed: Immediately call a poison center/doctor. Rinse mouth. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a poison center/doctor. If on skin: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation or rash occurs: Get medical advice/attention. If exposed or concerned: Get medical advice/attention. Get medical advice/attention if you feel unwell. Store locked up. Dispose of contents and container in accordance with all local, regional, national and international regulations.

WARNING: Cancer and Reproductive Harm – www.P65Warnings.ca.gov.

KEEP OUT OF THE REACH OF CHILDREN AND ANIMALS.

For additional information, call the manufacturer at 866-725-7383 or Chemtrec at 800-424-9300 or 703-527-3887 outside of USA. Refer to Safety Data Sheet (SDS) for further information.

Limited Product Warranty:

The manufacturer warrants that this product is free from defects in material and workmanship and will perform per the manufacturer product literature in effect at the time of purchase. This warranty is for one (1) year from the date of purchase. Any implied warranty of merchantability or fitness for a particular purpose is limited to the duration of this express warranty. This warranty applied only if the product is used, in strict accord with manufacturer published instructions. The sole and exclusive remedy under this warranty is replacement of the defective product or refund of the purchase price, at manufacturer's option. CONSEQUENTIAL, SPECIAL, AND INCIDENTAL DAMAGES ARE NOT RECOVERABLE UNDER THIS WARRANTY. All claims under this warranty must be submitted to manufacturer by calling 866-725-7383. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Sakrete® and the background design are registered trademarks of SAKRETE of North America LLC, 3 Glenlake Pkwy., Flr. 12, Atlanta, GA 30328 ©2019.

SAKRETE® is manufactured under license from SAKRETE of North America LLC.

For current and complete product information, contact SAKRETE Technical Services toll-free at 866-725-7383 or visit Sakrete.com