



SPEX•CRETE™ 5000 SLU

Description

Spex•Crete™ 5000 SLU is a presanded, premium self leveling underlayment with high compressive strengths and engineered for ease and speed of application. Spex•Crete™ 5000 SLU can be installed over most substrates, including existing gypsum, with minimal surface preparation and little to no shrink.

Features

- Superior Self-leveling Characteristics
- Fast Setting, Light Traffic in 12 Hours
Normal Traffic in 24 Hours
- Presanded: Save on Labor, Consistent Quality
- Minimal Surface Prep: Clean, Prime, Pour
- Levels Damaged or Uneven Concrete Substrates
- Crack and Abrasion Resistant Surface
- 4,500 psi Compressive Strength at 28 Days
- Can be Installed Over Most Substrates, Even Structurally Sound, Stable and Chalk Free Gypsum
- May Contribute to LEED Certification of Projects

Applications

- Multifamily / High-Rise Residential
- Mixed Use Multi-story Buildings
- Adaptive Reuse
- Luxury Apartments
- Commercial Offices
- Renovation
- Schools/Universities

Limitations

- FOR PROFESSIONAL USE ONLY
- This product is formulated for Industrial and Commercial use only
- Do not install Spex•Crete™ 5000 SLU if the ambient temperature and/or substrate temperature is below 40° F or above 90° F
- Do not apply to frosted or frozen surfaces or below grade
- Do not over water or retemper
- Keep out of reach of children
- Exposure to direct sunlight and drafts should be avoided while mixing, placing and curing
- Minimum Thickness: 1/8"
- Maximum Thickness: 1 1/2"
- Interior use only; Do not use outdoors
- Not a wear surface, floor covering is required
- Do not top with an epoxy flooring system

Technical Data*

Final Density	~110 pcf
Mixing Ratio	One 50 lb. bag of 5000 SLU 4.75 – 5.5 quarts water
Compressive Data	ASTM C109M
1 Day	> 2,000 psi
7 Day	> 3,500 psi
28 Day	> 4,500 psi
Min. Thickness	1/8"
Max. Thickness	1 1/2" (per lift)
Color	Gray
Working Time	20 minutes

*Results are based on lab conditions. Field results may vary.

**Coverage shown below is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions, type of equipment used, thickness applied, and application methods used.

Estimating Guide

One Bag Covers ~28 ft² at 1/4" Thickness
Truckload Yield: ~23,520 ft² at 1/4"

Packaging

~50 lb. (22.68 kg) Bags	56 Bags / Pallet
15 Pallets / Truck	840 Bags / Truck





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5000 SLU

Directions

Preparing the Substrate: Inspect substrate to ensure floor is structurally sound and in good working condition. Remove all debris, unsound concrete, loose, weak or broken surfaces. Clean and remove any foreign matter coatings, paints, grease, waxes, dirt, debris and/or sealing compounds that would prohibit proper adhesion of primer and leveler to the substrate. If moisture vapor conditions exist, test to ensure proper MVER limits per the manufacturer's of the final floor covering requirements and mitigate if needed as specified. Patch holes and cracks as needed. Seal all voids around conduit, pipes and walls. If applying over gypsum substrate, it must be sound, stable, chalk free and structurally sound. If applying over wood, install lath over wood substrate that is properly secured. If a sound control mitigation system is being used, follow manufacturer's recommendations for proper installation. Do not use oil-based floor sweeps, as the remaining residue prohibits proper adhesion of the underlayment to the subfloor or finished floor covering. **PRIMER IS REQUIRED:** Follow recommended instructions on the container.

Mixing Ratio: Mix one presanded 50 lb (22.68 kg) bag of Spex•Crete™ 5000 SLU to 4.75 – 5.5 quarts (4.5 – 5.2 L) of clean, cool, potable water. **DO NOT OVER WATER!** Mixing conditions may vary depending on atmospheric conditions and the mixer / pump. Test flow to confirm proper mixing. Use a 2" x 4" piece of PVC pipe and a sheet of plexiglass to test the slump. For best results, the measured slump should be 11" – 12" in diameter. Do not exceed 13" of slump. For barrel mixing, continue with same mixing ratios and use an egg beater style mixer set to >900 rpm. Mix for 2-3 minutes until there are no lumps or clumps in the mix. Do not overmix.

Pumping/Placing: Before applying, field test in an on-site location to ensure proper bonding is achieved and get sign off from all stakeholders. Make sure primer has dried before pouring and maintain a dry surface prior to application. The substrate and ambient are temperature must be between 40°F (4°C) – 90°F (32°C) during the application and maintained for 48 hours after the placement. Adjust windows and doors appropriately and do not use forced air drying during the first 24 hours of cure. Control and contraction joints must be maintained through Spex•Crete™ 5000 SLU. Mark locations prior to pouring and cut once Spex•Crete™ 5000 SLU cures. Use proper PPE. Can be mixed with most commercially available batch mix pumps, hippo mixer and barrel mixers. Approximate working time will be affected by jobsite temperature and humidity. Always pour new material into a wet edge. Place material with a gauge rake and steel smoother. Follow wear surface / floor coating manufacturers' instructions for time to top.

Clean Up: Clean all mixers, pumps and tools with water promptly after use while material is still wet. Dispose of contents/containers in accordance with local/regional/national regulations. Thoroughly wash hands and any contaminated clothing and follow hygiene best practices.

Packaging & Shelf Life

Spex•Crete™ 5000 SLU is packaged in ~0.5 cubic foot, 50 pound bags. This product should be stored, handled and used in accordance with good industrial safety and hygiene practices and according to local regulations. This product should be stored indoors in dry conditions and is not to be stored outdoors or in direct contact with the ground. Humidity and moisture will affect the shelf life and performance of this product. Spex•Crete™ 5000 SLU has a shelf life of 6 months from date of manufacture.

SpexCrete Limited Warranty and Safety Information

Spex•Crete™ warrants that this product, at the time of shipment, conforms to the specifications noted in the Technical Data section above. All other information provided in this Technical Data Sheet is to be used as guidance only and there are no warranties relating to the information which extend beyond the description on the face hereof. ALL OTHER WARRANTIES, INCLUDING WITHOUT LIMITATION THE WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE EXCLUDED. Spex•Crete™ has a sole obligation and the sole and exclusive remedy under this limited warranty shall be the replacement of any defective product if justified by Spex•Crete™. No warranty is given for any technical advice or recommendations provided by Spex•Crete™. Buyer waives all claims under this limited warranty unless it has given written notice and proof of defect to Spex•Crete™ within 15 days of delivery. Visit SpexCrete.com for more.

DANGER Harmful if swallowed. May cause an allergic skin reaction or burn, serious eye damage and/or respiratory irritation. This product may contain a chemical known to the state of California to cause cancer, or birth defects, or other reproductive harm. May cause damage to organs through prolonged or repeated exposure if inhaled.

Prevention Statement: Do not breathe dust/fume/gas/mist/vapor/spray. Wash hands and skin thoroughly after handling. Do not eat, drink or smoke while using this product. Mix outdoors or in a well-ventilated area. Contaminated work clothes should not be allowed out of the workplace. Wear protective gloves/protective clothing/eye protection/face protection. Response: **IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue to rinse. **IF SWALLOWED:** Rinse mouth. DO NOT induce vomiting. Immediately call a POISON CENTER/Doctor. **IF ON SKIN:** Immediately take off all contaminated clothing. Rinse skin with plenty of water or shower. Immediately call a POISON CENTER/Doctor. Wash contaminated clothing before reuse. If skin irritation or rash occurs: Get medical advice or attention. **IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/Doctor if you feel unwell.

If exposed or concerned: Get medical advice/attention. **Repeat Exposure:** Get medical advice/attention if you feel unwell.

Disposal: Dispose of contents/container in accordance with local/regional/national regulations.

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