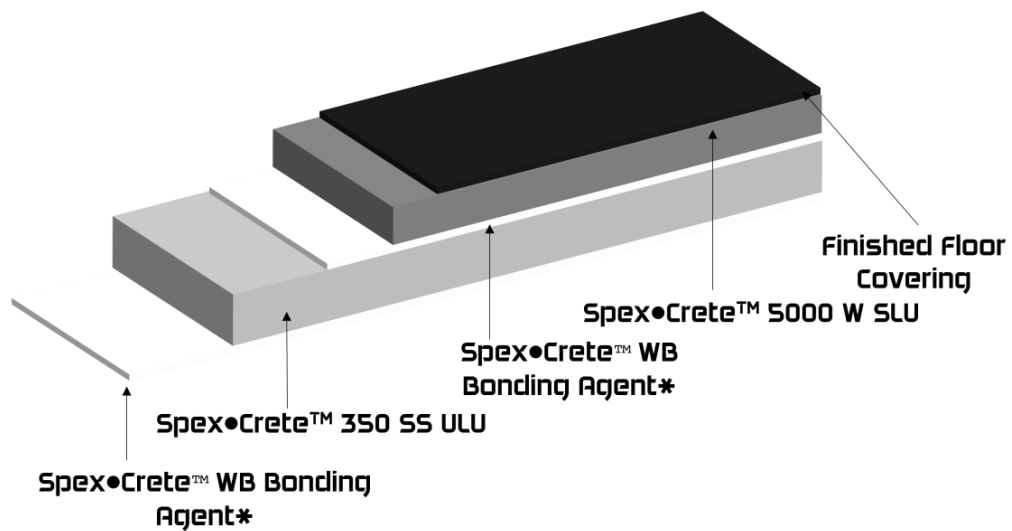


ULTRA LIGHTWEIGHT DEEP FILL LEVELERS
LIGHTWEIGHT LEVELERS
WEAR SURFACE LEVELERS
VOC COMPLIANT PRIMER
LIGHTWEIGHT ADDITIVES



*Moisture Vapor Barrier May Be Required Depending on Job Conditions

SHEET
SUBFLOOR
DETAILS
SPEX-CRETE™

D-102

29299 Clemens Rd. Unit 1-L, Westlake, OH 44145



SPEX•CRETE

Commercial Underlayments

Spex•Crete Commercial Underlayments deliver innovative solutions to the commercial floor leveling industry. Our proprietary and patent-pending technologies provide quality floor leveling systems. Spex•Crete™ 350 SS ULU is an ultra lightweight, pumpable, deep fill leveler that replaces foam board with optimal working and set times. Spex•Crete™ 5000 W is a wear surface leveler which requires minimal surface preparation, boasts high compressive strength, is resistant to cracking and can go over gypsum. Our Water Based Bonding Agent is VOC compliant and allows overlays to be poured up to 7 days after being applied. These products come ready to use!

Adding to our product list, Spex•Lite® 6724 is an FR-modified ultra lightweight EPS bead used to create an ultra lightweight deep fill floor leveling product. Spex•Crete™ G5 Lightweight Additive is a lightweight material that can replace sand in many leveler systems while maintaining similar performance characteristics.

At Spex•Crete, we take great pride in offering exceptional customer service, quality products and shipping support to the hard working contractors and installers across the country. If you need great floor leveling solutions delivered to your warehouse or job site, please give us a call at 440-462-1500 or email us at info@spexcrete.com!



Restore Your Subfloor™



SPEX•CRETE

Commercial Underlayments

Product Benefits

Product	Benefits
Spex•Crete™ 350 Super Set Ultra Lightweight Deep Fill Leveler	-All In One Pumpable Replacement of Foam Board -Improved Adhesion, PSI, Working Time, Set Time -Up to 40% Labor and Logistics Savings
Spex•Crete™ 70 A11 Lightweight Self Leveler	-Lightweight Single Pass Pumpable Leveler -70-75 pcf; >3,500 psi -8,000 Square Feet Yield at 1" per Truck
Spex•Crete™ 5000 W Wear Surface Leveler	-Wear Surface Leveler; Presanded -High Strength; >6,500 psi -Water Resistance
Spex•Crete™ WBBA Water Based Primer	-VOC Compliant; Coat Up to 7 Days after Application -Ready to Use – No Site Dilution -Bonds to New or Old Concrete, Wood, Gypsum
Spex•Lite® 6724 EPS	-FR Modified EPS Bead -Ultra Lightweight Bead Compatible with Portland -Little to No Dust; No Silicosis
Spex•Crete™ G5 LWA	-Lightweight Sand Replacement -Makes Pumpable Levelers with Smooth Surfaces -Non-Toxic, Low Dust





SPEX•CRETE™

Commercial Underlayments

Applications

The Spex•Crete™ Lightweight Flooring System is designed for use in weight restriction floor leveling jobs. Perfect for renovation work needing a lightweight deep fill leveler and foam board isn't cutting it, simply install Spex•Crete™ 350 SS ULU at least 1 day prior to installing Spex•Crete™ 5000 W wear surface leveler for an easy, efficient and quality solution!



Schools / Universities



Multifamily



Hi-Rise



Office

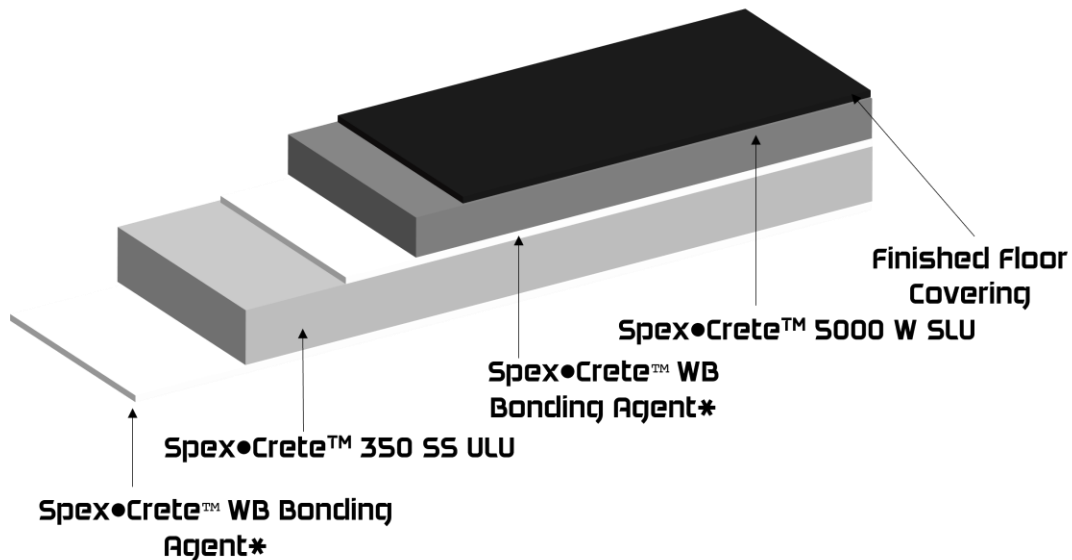


Restoration

SPEX•CRETE™

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SPEX•CRETE™

350 SS

Advantages of Spex•Crete™ 350 Super Set Ultra Lightweight Underlayment Compared to Foam Board for Lightweight Deep Fill Floor Leveling

Foam needed multiple lifts; was difficult to cut; glue, seal gaps from cuts, and self leveler still leaked through, which led to material loss and extra cost



Spex•Crete™ 350 SS ULU flowed easily around obstructions and formed single monolithic layer at desired depths; was easy to place and fill voids; great bond to the self leveler cap

Advantages of Spex•Crete™ 350 Super Set ULU

- Easy install
- Quickly and easily levels uneven depths of subfloor
- Pumpable; flows around obstructions
- Self-flashing, saving labor of cutting and taping foam board
- Improved worker safety; no carrying / cutting board, little to no kneeling
- Monolithic Layer; no seams to tape
- Accurate install saving cost on expensive self leveler
- Compatible with sound mats
- Prime and top the next day with most self-levelers
- Great adhesion to subfloor and self leveler overlay
- Superior compressive strengths
- Less prone to puncture from cleats



Restore Your Subfloor™



Description

Spex•Crete™ 350 Super Set is a **just add water**, Ultra Lightweight Underlayment designed for deep fill flooring applications where ease of use and set time are critical. Spex•Crete™ 350 SS provides enhanced bond strength, superior flow and improved working time with an ideal initial set at varying depths to create a level and monolithic floor in a single pour. Used as a deep fill replacement for foam board, bead mixes or extended levelers or multiple lifts, Spex•Crete™ 350 SS ultra lightweight underlayment can easily be pumped and finished, saving both time and money with a superior quality floor.

Features

- **YIELD: ~15,120 square feet at 1" per truck!!!**
- **Improved Logistics and Operations**
- **~69% Lighter than Traditional Underlayments**
- **Superior Bond, PSI and Installation as Compared to Foam Board**
- **Improved Working and Set Time**
- **All-In-One: Just Add Water**
- **Mix, Pump, and Place with Ease**
- **Simple to Finish; Can be Sloped**
- **Better Worker Ergonomics**

Technical Data*	
Fresh Density	~35 – 42 pcf
Final Density	~28 – 35 pcf
Pounds / ft ² at 1"	~3 pounds
Spread	~19 – 21"
Compressive Data	200+ psi at 1 Day
Working Time	30 – 40 Minutes
Initial Set	~70 – 110 Minutes
Minimum Depth	1"
Time to Topcoat	18 – 24 hours

*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
Each Bag Covers Approximately: 18 ft ² at 1" Thickness 9 ft ² at 2" Thickness 6 ft ² at 3" Thickness

Packaging	
~40 lb. (18.1 kg) Bags	35 Bags per Pallet
24 Pallets / Truck	840 Bags / Truck



SPEX•CRETE™

70 AI1 Lightweight Leveler

Description

Spex•Crete™ 70 AI1 Lightweight Leveler is a revolutionary lightweight floor leveling product that is used where precise weight per square foot and strength requirements need to be met. Our lightweight underlayment is designed as an all in one, single component, just add to water leveler. It is pumpable and finishes very smooth. With an average weight of just ~6 pounds per square foot at 1", this versatile lightweight self leveler is your go-to lightweight self leveling option for your next flooring job.

Features

- **Lightweight, Single Pass System**
- Shrinkage-Compensated
- Self-Curing
- Self-Leveling
- **Pumpable**
- Excellent Compressive Strengths
- Labor Savings
- **Yields ~8,000 Square Feet at 1" per Truck!**

Technical Data*	
Final Density	~69 – 75 pcf
Pounds / ft ² at 1"	~6 pounds
Compressive: 28 Day	~4,000+ psi
Flowing Time	~15 minutes
Working Time	~20 – 30 minutes
Light Foot Traffic	~4 – 8 hours
Minimum Thickness	1/4"
Maximum Thickness	1 1/2"
Color	Gray

*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 ~12 ft ² at 1/2" Thickness Truckload Yield: ~8,000 ft ² at 1/2"

Packaging	
~30 lb. (13.6 kg) Bags	56 Bags per Pallet
24 Pallets / Truck	1,344 Bags / Truck



Restore Your Subfloor™



SPEX•CRETE™

5000 W Wear Surface Leveler

Description

Spex•Crete™ 5000 W is a shrinkage-compensated, high-strength, self-leveling underlayment engineered as a wear surface floor resurfer and an ideal overlayment to Spex•Crete™ 350 SS. The versatility of this just-add-to-water product allows floors to be re-levelled quickly due to its ability to be pumped or poured for easy installation. The labor savings using Spex•Crete™ 5000 W are significant. Another key feature is that this system is a **wear surface leveler** that requires little to no troweling, saving more time and making you more money per job.

Features

- **Wear Surface**
- Shrinkage-Compensated
- Self-Curing
- Self-Leveling
- Water Resistant
- Pumpable
- Excellent Compressive & Flexural Strengths
- Labor Savings



Technical Data*	
Final Density	~125 - 128 pcf
Pounds / ft ² at 1"	~11 pounds
Flexural Strength	~1,000 psi
Compressive Data	
1 Day	~3,500 psi
7 Day	~4,500 psi
28 Day	~6,500+ psi
Flowing Time	~15 minutes
Working Time	~20 - 30 minutes
Light Foot Traffic	~4-8 hours
Minimum Thickness	1/4"
Maximum Thickness	1"
Color	Gray

*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 ~12 ft ² at 1/2" Thickness Truckload Yield: ~10,300 ft ² at 1/2"

Packaging	
~50 lb. (22.67 kg) Bags	48 Bags per Pallet
18 Pallets / Truck	864 Bags / Truck

Restore Your Subfloor™



SPEX•CRETE™ WB Bonding Agent

Description

Spex•Crete™ WB Bonding Agent is an architectural grade, water-based emulsion formulated for bonding cement-based products to interior, structurally sound masonry and concrete surfaces. It comes ready to use, **no site dilution** required, for consistency job to job and saving labor time on the jobsite. It is **VOC Compliant** and can be capped **up to 7 days after application**, providing maximum flexibility for real-world application.

Features

- **VOC compliant**
- **Allows overlays to be applied as soon as dry to the touch (~1 hour) or delayed for up to 7 days**
- **Ready to use, no site dilution**
- May be applied over damp or dry substrate
- Non-toxic and non-flammable
- Bonds to new or old concrete, masonry, wood, marble, gypsum board
- Unaffected by alkalinity of Portland Cement
- Improves tensile and shear strengths
- Thick, non-run formula
- Dries clear
- Provides better adhesion to old or new concrete surfaces

Applications

- Subfloor Prep
- Cement mixes to concrete, wood, and gypsum substrates
- Mass Timber Construction
- Building / Flooring Restoration
- Luxury Apartments / Condos
- Schools / Universities

Technical Data*

Density	~8.7 pounds/gal
pH	4.5 – 6.0
VOC Compliant	YES
Water Based	YES
Color	Milky White; Dries Clear

*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

Each 5 Gallon Pail Covers ~750 – 1,500 square feet

Packaging

5 Gallon Pails	36 Pails / Pallet
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Restore Your Subfloor™



SPEX•CRETE

Commercial Underlayments

Lightweight FR-Modified EPS Beads

Spex•Lite® 6724 FR-Modified Ultra Lightweight EPS Filler Beads are ideally suited to decrease weight in flooring underlayments and blends. Primarily used in deep fill floor levelers, Spex•Lite® Ultra Light Filler Beads can also be used for controlled low-strength material (CLSM), concrete masonry units (CMU), decorative concrete and more!



Spex•Lite® 6724

- ~1 pcf; 0.033 g/cc
- ~1.6 mm in size
 - FR-Modified
- Little to no dust; no silicosis





Description

Spex•Crete™ G5 Lightweight Additive is a patent pending proprietary modified mineral based microbead product that is used as a **sand replacement** to decrease the density of self leveling underlayments. Our unique non-toxic particle provides excellent compressive strengths and workability when added to calcium aluminate, portland and gypsum based products. Spex•Crete™ G5 Lightweight Additive blends very well into self leveling products and provides a homogeneous mix that can be pumped, placed and finished with ease.



Physical Properties*	
Softening Temperature	~1,580 – 1,920°F
Melting Point	~1,920 – 2,280°F
Color	Off - white
pH	~6.5 – 8.0
Surface Moisture	<0.2 mass %
Particle Shape	Sphere/egg
Mohs Scale	~5.5 – 7.0

Technical Data*		
Property	Unit of Measure	Value
Average Particle Size	µm	~75 - 275
Loose Bulk Density	lbs/ft ³	~18.5
True Density	g/cm ³	~0.54
Thermal Conductivity	W/(mK)	~0.072 - 0.007
Oil Absorption, mass	M-%	30
Mechanical Crush Strength	PSI	~315
Isostatic Particle Strength	PSI	~1,000

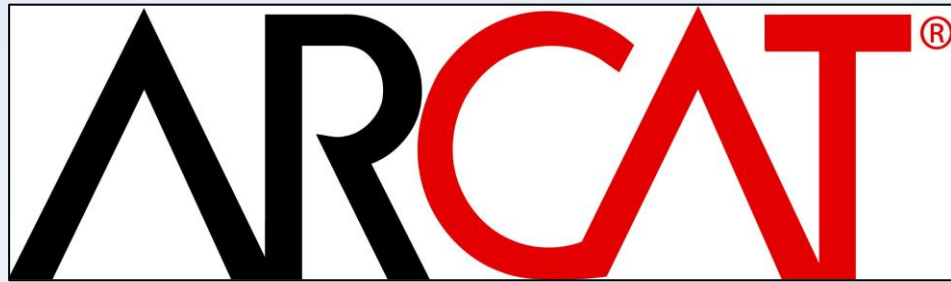




SPEX-CRETE™

Commercial Underlayments

Restore Your Subfloor™



Quality Mixing and Pumping Equipment Since 1964



SPEX•CRETE

Commercial Underlayments



400,000 sf Job Using Spex•Crete™ Lightweight Solutions

Spex•Crete Commercial Underlayments
29299 Clemens Rd. Unit 1-L
Westlake, OH 44145
440-462-1500

*The information herein is for reference only. Spex•Crete™ warrants that its products, at the time of shipment, conform to the specifications noted in the Technical Data Sheets. All other information provided in this document 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 information.