AGGRETEX™ SMOOTH

PRODUCT DATA SHEET

AggretexSC, LLC
252 West Larch Rd., Suite A • Tracy, CA 95304

AGGRETEX SMOOTH

DESCRIPTION

Aggretex SMOOTH is a cement based, non-shrinking, self-leveling floor underlayment designed for interior use. This single component product produces a smooth subfloor that will accept floor coverings in as little as 12 - 18 hours after installation. Just mix Aggretex SMOOTH with water, pour or pump, and it will seek its own level to produce a smooth, flat hard surface.

FEATURES/BENEFITS

• Aggretex SMOOTH, when properly mixed, produces a flowable underlayment with a flow time of 20 minutes at 70°F
• Can be feather edged without fear of chipping or spalling
• Self-leveling, requiring no troweling
• Can be pumped
• Produces a smooth, blemish free surface, requiring no grinding or sanding
• Is compatible with subsequent adhesives for traditional floor covering products

APPLICATION

Aggretex SMOOTH can be applied in thicknesses ranging from a feather edge up to 2". It can be installed up to 5" in thickness with the addition of pea gravel. Aggretex SMOOTH will develop a superior bond to the substrate and will normally accept foot traffic within 2 to 4 hours depending upon heat, humidity and other job site conditions.

PURPOSE: Aggretex SMOOTH can be used to level or smooth interior floors. It can be used on new construction projects to correct rough, unfinished, or uneven floors.

PREPARATION: To prepare surface, follow all standard ACI recommendations. Remove all dirt, gas, oil, grease, asphalt, paint, curing compounds, and all loose surface materials. Concrete substrates should be profiled to a minimum CSP#3, shot blasting is preferred.

PRIMING: Prime all surfaces with Aggretex PRIME at approximately 100 - 150 sq. ft. per gallon. Apply with a brush or broom, NOT a roller. Coverage will depend upon the condition and texture of the surface. Very porous surfaces will require two applications of primer. Allow Aggretex PRIME to dry before applying Aggretex SMOOTH.

AGGRETEX™ SMOOTH
PRODUCT DATA SHEET

AGGRETEX SMOOTH

MIXING: Pour 4 quarts of water into a mixing container, then add one 50 pound bag of Aggretex SMOOTH. With a blending paddle attached to a heavy duty drill (650 rpm), mix for 2 to 3 minutes until mixture is smooth and free of lumps. For pumping applications, mix for one to two minutes in the pump's mixing tank. Do not over water or re-temper. Aggretex SMOOTH can be extended by adding 15 pounds of clean 3/8" pea gravel for each 50 pounds of product. First mix Aggretex SMOOTH as provided in earlier instructions. During the last minute of mixing, add the required aggregate. Should a finish coat be required, apply a non-extended layer of Aggretex SMOOTH. Allow the 1st layer to harden and re-prime the first pour with another layer of Aggretex PRIME.

INSTALLATION: Pour Aggretex SMOOTH over the substrate spreading the material with a long handled spreader or gauge rake. Aggretex SMOOTH can be pumped using an appropriately sized grout pump. For more information on grout pumps and pumping, please contact Aggretex.

No troweling is necessary. Aggretex SMOOTH will level itself during the first 20 minutes at 70°F, and will accept foot traffic in 2-4 hours depending upon job site conditions. We recommend wearing cleated shoes when installing Aggretex SMOOTH. Under normal conditions, floor coverings can be installed in 12 to 18 hours, depending upon job site conditions. All flooring adhesives compatible with concrete may be used on Aggretex SMOOTH.

Do not install Aggretex SMOOTH when the average daily temperature is less than 40°F. During hot weather, work quickly and use cold water for mixing, as the average working time will decrease.

DRYING TIME: Aggretex PRIME - 3-4 hours at 70°F and 50% relative humidity

TYPICAL TEST DATA

Set Time at 70°F (ASTM C-266)	
Initial Set	50 min
Final Set	80 min
Compressive Strength (ASTM C-109)	
1 day	3000 psi
7 days	4500 psi
28 days	5500 psi
Bond Strength (ASTM C-882 modified)	
14 days w/ Aggretex PRIME	1000 psi
Flexural Strength	(ASTM C-348)
28 days	1150psi
Yield/Density	
Yield per bag	.50 cu-ft (125 lbs/cu-ft)

AGGRETEX SMOOTH

APPLICATION- WOOD FLOORS

Aggretex SMOOTH can be applied over wood floors however the following substrate preparation is essential.

SURFACE PREPARATION: Wood subfloors must be solid hardwood flooring a minimum of ¾" thick. The wood floor must be solid and securely fixed to provide a rigid base that ensures no flexing. Any areas showing any movement must be re-nailed. The wood floor must also be completely clean, free of any wax, dust, grease and any contaminates that could possibly interfere with adhesion.

PRIMING: Wood subfloors also require priming with Aggretex PRIME, follow all instructions in regards to priming as stated on the Technical Data Sheet. Porous wood floors may require a second application of Aggretex PRIME. Allow the primer to dry between applications. Once the Aggretex PRIME is applied, install galvanized, expanded metal lath mesh, stapling every 6 inches. Overlap adjacent pieces of lath mesh by approximately 1 inch. After the lath mesh is placed, allow the Aggretex PRIME to dry thoroughly. The metal lath can be installed while the primer is drying, however, do not walk or stand on the wet primer. Allow the primer to dry.

LIMITATIONS/PRECAUTIONS

Do not allow cured Aggretex SMOOTH to freeze. In adverse temperatures, follow ACI recommendations for hot/cold weather concreting practices. Use only potable water for mixing. Aggretex SMOOTH is adhered with Aggretex PRIME, a re-wettable primer. Therefore do not use in areas where frequent water contact or a continuous wet environment exists. Concrete should be free of hydrostatic pressure and vapor transmission rates should comply with finish flooring manufacturers requirements. Concrete should be a minimum 3000 psi.
Minimum surface and ambient temperature of 45°F and rising is required at the time of application. For optimum results, condition material to between 65°F and 85°F.
Caution: Contains Portland Cement and sand. Cement will cause irritation. Avoid contact. A dust respirator, safety goggles, and rubber gloves are recommended. Avoid prolonged contact with clothing. In case of contact with eyes, immediately flush with water for at least 15 minutes. Get prompt medical attention. Do not wear contact lenses when working with this product. DO NOT take internally. Keep out of reach of children. Avoid hazards by following all precautions found in the Safety Data Sheet (SDS), product labels, and technical literature. Please read this information prior to using the product.

PACKAGING

50 lb. bag
Coverage: approx. 24 sq.-ft. @ 1/4"

AGGRETEX SMOOTH

CLEAN UP

Tools, pumps, and equipment may be cleaned with water before Aggretex SMOOTH hardens.

SHELF LIFE

Shelf life of unopened bags stored in a dry facility is 12 months. Excessive temperature differential and/or high humidity can shorten the shelf life expectancy. Store in a cool, dry area away from direct sunlight.

WARRANTY

NOTICE-READ CAREFULLY

CONDITIONS OF SALE
AggretexSC, LLC offers this product for sale subject to and limited by the warranty which may only be varied by written agreement of a duly authorized corporate officer of AggretexSC, LLC. No other representative of or for AggretexSC, LLC is authorized to grant any warranty or to waive limitation of liability set forth below.

WARRANTY LIMITATION
AggretexSC, LLC warrants this product to be free of manufacturing defects. If the product when purchased was defective and was within use period indicated on container or carton, when used, AggretexSC, LLC will replace the defective product with new product without charge to the purchaser. AggretexSC, LLC makes no other warranty, either expressed or implied, concerning this product. There is no warranty of merchantability. NO CLAIM OF ANY KIND SHALL BE GREATER THAN THE PURCHASE PRICE OF THE PRODUCT IN RESPECT OF WHICH DAMAGES ARE CLAIMED.

INHERENT RISK
Purchaser assumes all risk associated with the use or application of the product.