ARCOSA
SPECIALTY MATERIALS

SUBMITTAL SHEET

AccuCrete® PRIME

The Ultimate in cementitious floor underlayment products

- ✓ Fast setting, quick application, light trade traffic within hours
- ✓ Industry's most workable, versatile, durable and highest compressive strength floor underlayment system
- ✓ Ideal for multi-family wood frame and concrete construction
- ✓ UL Designs for 1 and 2-hour fire rated assemblies
- ✓ Smooth, dense surface
- ✓ Excellent for sound attenuation between floors and units Installed by experienced licensed contractors

Product Description

AccuCrete® Floor Underlayment Systems are fast applied, quick-setting cementitious underlayments formulated and manufactured by Arcosa Specialty Materials. Designed for a wide variety of applications including wood frame multi-family and light commercial construction, as well as poured in place and precast concrete construction in commercial buildings. **AccuCrete®** is formulated to provide compressive strengths up to 4,000 psi, depending upon the mix design. Consult your local **AccuCrete®** contractor on how to best achieve the compressive strength required for your project.

AccuCrete® Floor Underlayment Systems are batch mixed on the jobsite with sand and water providing a monolithic, smooth, lightweight floor. At a depth of 3/4" a typical **AccuCrete®** underlayment weighs 7.2 lbs. per sq. ft. and has a density of approximately 115 lbs. per cu. ft.

System Benefits

AccuCrete® Floor Underlayment Systems provide a cost effective underlayment for residential, multi-family, and commercial, whether new or renovation type construction. Typical applications are designed to provide a 1 or 2-hour fire rated assembly and significantly improve sound ratings. Enhanced STC and IIC ratings can be achieved when **AccuCrete®** used in conjunction with AccuQuiet® Sound Control Systems.

GREENGUARD Gold Certified

Arcosa Specialty Materials – 1550 Double Drive – Norman, OK 73069 (405) 366-9500
www.ArcosaSpecialtyMaterials.com / www.AccuCrete.com

ARCOSA
SPECIALTY MATERIALS

SUBMITTAL SHEET

AccuCrete® PRIME

Physical Properties

Color	Gray Powder
Flow Properties	Medium Flow w/ Self-Leveling Properties
Water Per Bag	Water Per Bag 4.0 to 6.0 US Gal. per 80 lb. bag
Sand Per Bag	1.4 to 2.1 ft^3 of washed mason or concrete sands meeting AccuCrete® minimum gradation criteria
Strength	(ASTM C472) up to 4,000 psi depending on mix design, sand gradation, water content, and slump size.
Dry Density	110 to 120 lb./ ft^3
Recommended Thickness	3/8” to 3” in a single lift. Minimum 3/4” depth over all wood substrates.
Surface Burning Characteristics	ASTM E84 - Flame spread: 0, Fuel Contribution: 0, Smoke Density: 0
	Fire testing of construction products and materials 119: Pass

Limitations

- ✓ No single application of AccuCrete® Floor Underlayment should exceed 3” in depth. Consult your AccuCrete® licensed applicators on how to achieve depths greater than 3”.
- ✓ Any material poured above a crawl space must be protected by a vapor barrier.
- ✓ After installation of the AccuCrete® Floor Underlayment and prior to the resumption of construction, place temporary wood planking over underlayment where heavy wheeled or concrete loads will occur.
- ✓ AccuCrete® Floor Underlayment Systems are not designed to be installed on or below grade, except over well-drained structural substrates.
- ✓ The structural floor should be designed to withstand loads with a minimum deflection criteria of L/360 for live loads and L/240 for combined live and dead loads.
- ✓ Unless otherwise stated, AccuCrete® Floor Underlayment systems should not be used as a wearing surface.
- ✓ Unless otherwise stated, AccuCrete® Floor Underlayment Systems should not be used for exterior applications or where they will come in prolonged contact with water.
- ✓ AccuCrete® Floor Underlayment Systems are only one component of an effective floor-ceiling fire rated and sound rated assembly. Care must be taken in the installation of all construction.

ARCOSA
SPECIALTY MATERIALS

SUBMITTAL SHEET

AccuCrete® PRIME

Installation

The building must be enclosed and weathertight. Ambient and substrate temperatures must be maintained at a minimum of 50 degrees for 24 hours before and 72 hours after installation. The subfloor must be fine broom cleaned and free of all contaminants. Prior to pouring the **AccuCrete®** Floor Underlayment, a Priming System must be used. Provide continuous ventilation and heat to remove excess moisture after installation until underlayment is dry. The absence of condensation on windows will confirm adequate ventilation. For thicker applications, a longer drying time may be necessary. The structural subfloor should be adequate to withstand designed loads with a minimum deflection criteria of L/360. Installations over concrete slabs require the concrete to be properly cured (typically 28 days) prior installation of the **AccuCrete®** Floor Underlayment. Once the **AccuCrete®** is fully dry and has passed a dryness test, the application of a surface sealer is recommended prior to the installation of all glue down or thin set finished flooring. All instructions or recommendations by the finished floor goods manufacture supersede this recommendation. Wear a NIOSH approved dust mask and provide ventilation when mixing the product.

Storage and Handling

When used as directed, Arcosa Specialty Materials' plasters and cements are easy to use and meet the requirements of the federal Labeling of Hazardous Art Materials Act (12 U.S.C. Section 1277) and ASTM D4236. Store indoors at 65 °F–75 °F (18 °C–24 °C) with 45%–55% relative humidity. Protect from drafts and do not stack more than two pallets high. Arcosa Specialty Materials' plasters and cements should be used within six months of the manufacturing date. Always follow the handling instructions and safety warnings provided on the label.

UL Designs

G577 G578 G579 G580 G581 G582 J917 J919 J920 J924 J927 J931 J957 J958 J991 J994 L006 L201 L202 L206 L208 L209 L210 L211 L212 L501 L502 L503 L504 L505 L506 L507 L508 L509 L510 L511 L512 L513 L514 L515 L516 L517 L518 L519 L520 L522 L523 L524 L525 L526 L527 L528 L529 L530 L533 L534 L535 L536 L537 L538 L539 L540 L541 L542 L543 L546 L547 L549 L550 L551 L556 L558 L560 L562 L563 L570 L573 L574 L576 L577 L581 L583 L587 L589 L590 L592 L593 M502 M503 M504 M506 M508 M513 M519 M530 M535 M538 M544 M550 M553

More designs may be obtained. Contact us at info@AccuCrete.com

ARCOSA
SPECIALTY MATERIALS

SUBMITTAL SHEET

AccuCrete®
PRIME

Submittal Approvals

Minimum Compressive Strength: _____

Project Name:_____

Architect:_____
Date:____/____/____

Contractor:_____
Date:____/____/____

Notice: Arcosa Specialty Materials ("ASM") warrants that the AccuCrete® and AccuLevel® products will conform to the written specifications stated by ASM at the time of its shipment by ASM. ASM's liability is limited to replacement of defective material, F.O.B./factory. Customers must promptly notify ASM of any alleged defects. Replacement of defective material will be made only upon ASM's inspection of the material Because ASM does not install AccuCrete® or AccuLevel®, it cannot be held responsible for the results of any installation. CUSTOMER DISCLAIMS AND ASM MAKES NO WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. CUSTOMER WAIVES AND ASM SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES UNDER ANY THEORY OF LAW. NO REPRESENTATIVE OF ASM HAS THE AUTHORITY TO MAKE ANY REPRESENTATIONS OR PROMISES OF ASM EXCEPT AS STATED HEREIN. IN NO EVENT WILL ASM'S LIABILITY HERUNDER EXCEED THE PURCHASE PRICE OF THE DEFECTIVE MATERIAL.

AccuCrete® NexGen and AccuCrete® Prime have received ICC approval.

MINED AND MANUFACTURED IN THE U.S.A.

Arcosa Specialty Materials – 1550 Double Drive – Norman, OK 73069 (405) 366-9500
www.ArcosaSpecialtyMaterials.com / www.AccuCrete.com