

# AccuCrete®

## PRIME

### The Ultimate in cementitious floor underlayment products

### Product Description

### System Benefits

- ✓ 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

**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. These high strength underlayments can be poured after drywall is installed or when needed prior to drywall installation (consult your licensed **AccuCrete®** contractor). **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.

**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

**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 <sup>3</sup> of washed mason or concrete sands meeting <b>AccuCrete®</b> 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 <sup>3</sup>
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.



**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.

**UL Designs**

G577 G578 G579 G580 G582 G592 H502 J917 J919 J920 J924 J927 J931 J957  
J958 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 L526 L527 L528 L529 L530 L533 L534 L535 L536 L537 L538  
L539 L540 L541 L543 L546 L547 L549 L550 L551 L556 L558 L560 L562 L563 L570  
L573 L574 L546 L577 L578 L581 L583 L585 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](mailto:info@AccuCrete.com)

**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.