

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.

**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 designed loads with a minimum deflection criteria of L/360.
- ✓ 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 fully enclosed, and a minimum temperature of 50°F must be maintained during the installation and for a period of 5 to 7 days after the installation of the **AccuCrete**® Floor Underlayment System. 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. Adequate ventilation must be provided for a period of 5 to 7 days after installation of the underlayment to ensure drying of the underlayment. 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 G581 G582 J917 J919 J920 J924 J927 J931 J957 J958
J966 J991 J994 K906 L004 L005 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
L552 L555 L556 L558 L560 L562 L563 L570 L573 L574 L576 L583 L585 L590 L592
L593 L599 M502 M503 M504 M506 M508

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

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.

**Submittal
Approvals**

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