ARCOSA
SPECIALTY MATERIALS

SUBMITTAL SHEET

AccuLevel™

AccuLevel G50

Aggregate Free Self-Leveling Underlayment

- ✓ Proprietary formulation technology delivers an aggregate free leveling compound, with a smooth, hard, residue-free surface.
- ✓ Fast setting, quick application, light trade traffic within hours.
- ✓ Dry Density of only 90 to 100 lbs. per cu. ft. and up to 6,000 psi compressive strength at 28 days.
- ✓ Ideal for leveling or smoothing out of level, old, or damaged concrete floors in residential and commercial renovation construction.
- ✓ Low Prep: In most cases, shot blasting or profiling is not required. Simply clean the substrate, prime with an approved primer and pour.
- ✓ Does not require reinforcement over solid, structurally sound substrates.
- ✓ Smooth high quality surface is suitable for a wide array of finished floor coverings.

Description

- ✓ **AccuLevel®** G50 is a lightweight, free flowing, pumpable underlayment for use in renovation as a low-density self-leveling underlayment. Special low-shrinkage proprietary formulation technology developed by Arcosa Specialty Materials avoids the addition of sand or other aggregate. The resulting slurry can be poured from 1” to a feather edge without sacrificing surface quality, finishibility, or bond quality to solid substrates. At 90 to 100 lbs. per cu. ft., this product removes weight from the structure while still serving as a high strength, economical leveling compound.
- ✓ **AccuLevel®** G50 is an engineered blended cement containing polymer modified portland cement in a balanced formulation that delivers robust performance under a variety of challenging leveling projects.
- ✓ **AccuLevel®** G50 is resistant to abrasion, stands up well to normal trade traffic, and can be opened to light foot traffic within 4 hours and normal trade traffic within 24 hours. This product can be pumped or barrel mixed, and is installed by a network of licenses contractors.
- ✓ **AccuLevel®** G50 exhibits very high dimensional stability and does not require shot blasting or surface profiling in most applications, provided that the substrate meets minimum criteria and intended use of the space does not anticipate high dynamic loads.
- ✓ The high compressive strength is ideal for most residential and commercial renovation projects. **AccuLevel ®** G50 is suitable for use with tile, stone, or floating and glued own floor covering systems.

GREENGUARD Gold Certified

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

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Physical Properties

Color	Gray Powder
Flow Properties	Self-Leveling
Water Per Bag	3 to 4 US Gal. per 80 lb. bag
Compressive Strength	(ASTM C472) up to 6,000 psi depending on water content and slump size
Wet Density	110 to 120 lb./ ft^3
Dry Density	90 to 100 lb./ ft^3
Yield per 80 lb.	46 ft^2 at 1/4" thickness
Recommended Thickness	Typical thickness is 1/8" to 1". Please consult your licensed AccuLevel® applicator where depths outside this range are required.
Surface Burning Characteristics	ASTM E84 – Flame Spread: 0, Fuel Contribution: 0, Smoke Density: 0
	Fire testing of construction products and materials ASTM E119 : Pass

Limitations

- ✓ Suitable Substrates include fully cured new or existing concrete, plywood, OSB, and other clean structural substrates that meet the minimum L/360 deflection criteria. Over wood substrates or in cases where a bond is not anticipated, reinforcing lath is recommended. Please consult your licensed **AccuLevel®** applicator where special substrate conditions exist.
- ✓ Large areas of less than 1/8" thickness may be best suited for a trowelable patching compound.
- ✓ Curing and Drying time before application of floor goods depends on thickness, humidity and ventilation conditions. With proper drying conditions, **AccuLevel®** G50 poured at a thickness of 0.5" can be covered in 5 to 7 days. At a thickness of 1.0", **AccuLevel®** G50 can normally be covered in 14 to 21 days. Thinner applications can be covered more quickly, while thicker applications will require more extended drying times.
- ✓ **AccuLevel®** G50 is for interior use only and should not be used in areas where extended or repetitive exposure to moisture is anticipated unless protected by a waterproofing system.

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Limitations

- ✓ **AccuLevel**® G50 is intended for above grade applications. In cases where moisture vapor emissions are possible, a moisture vapor barrier is required. Maximum MVER of 5 lbs. per sq. ft. for 24 hrs by the calcium chloride method, ASTM F-1869. Floor covering manufacturers' recommendations supersede all others.
- ✓ For applications other than foot traffic and light rubber wheeled traffic, the substrate must be mechanically profiled to a minimum ICRI CSP 3 to enhance the bond to substrate.
- ✓ **AccuLevel**® G50 should not be used to bridge moving cracks or expansion joints. All joints must be honored through to the substrate.
- ✓ **AccuLevel**® G50 is only intended to be used as an underlayment. It is not a wear surface and is not intended for use as a structural element.

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. 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.
- ✓ The substrate must be indoors, clean, dust and contaminant free. Any loose or weak material present on substrate must be mechanically removed.
- ✓ Prior to pouring **AccuLevel**® G50 an approved priming system must be used. Please consult an **AccuLevel**® technical representative on the proper priming system.
- ✓ Installations over concrete slabs require the concrete to be properly cured, moisture free and have no efflorescence. In cases where foot traffic and light rubber wheeled traffic are anticipated, shot blasting is not required.
- ✓ Where moisture vapor conditions exist, test to ensure that the MVER does not exceed 5 lbs. per sq. ft. for 24 hrs per ASTM F-1869.
- ✓ Do not allow foot traffic until the product is fully hardened, usually within 4 hours of placement.
- ✓ **AccuLevel**® G50 is self-curing and does not require curing compounds, but should be protected from excessive draft for the first 24 hours. After this time, ventilate the area to expedite the curing process and to aid in the removal of excess moisture from the building. In general, a thickness of 1.0" requires 14 to 21 days to fully cure and dry. These times will vary with humidity, temperature, and ventilation conditions.

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Installation

- ✓ For moisture sensitive floor coverings, test the underlayment prior to installation by the plastic sheet method per ASTM D-4263. If visible signs of moisture are present, then more curing time is required. Do not test **AccuLevel®** G50 for dryness using the calcium chloride method, ASTM F-1869, as inaccurate results will occur.
- ✓ Once the **AccuLevel®** G50 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 and thin set finished flooring. It may be beneficial to seal the surface prior to installation of other adhered floor covers. All instructions and recommendations by the floor goods manufacturer supersede this recommendation.
- ✓ Where cracking may occur, a crack suppression membrane is recommended prior to tile or stone installations. Consult an **AccuLevel®** technical representative for specific recommendations.
- ✓ 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

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Submittal Approvals

Minimum Compressive Strength: _____

Project Name:_____

Architect:_____
Date:____/____/____

Contractor:_____
Date:____/____/____

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

MINED AND MANUFACTURED IN THE U.S.A.

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