

AccuLevel™

AccuLevel G40

Premium Polymer-Modified Self Leveling Cementitious Underlayment

Description

- ✓ **AccuLevel®** G40 is a unique versatile formulation with enhanced performance characteristics to deliver a smooth, dense, high compressive strength substrate in a variety of UL floor/ceiling assemblies.
 - ✓ Ready for light trade traffic within hours and normal trade traffic within 24 hours. Ready for floor coverings as soon as 3 days when poured at 1/2" thickness.
 - ✓ Approved for application on corrugated steel deck and weighs as little as 12.8 lbs. per square foot (over a 9/16" fluted deck). Lighter and thinner than concrete, can be poured as thin as 1" over the top of fluting in corrugated decks.
 - ✓ Mixed on site with approved sands to deliver compressive strengths up to 5,000 psi.
 - ✓ Self sealing and low porosity formulation enables direct-bonded floor coverings, in many cases without the use of a surface sealer.
 - ✓ Suitable for sheet goods, VCT, tile and stone, wood, or carpet.
 - ✓ Fast setting, quick application, means floors are returned to service the following day.
 - ✓ Ideal for deep fills in concrete 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.
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- ✓ **AccuLevel®** G40 is a premium polymer-modified self-leveling underlayment. It delivers a smooth, dense surface that is suitable for an immense array of floor covering options.
 - ✓ Because **AccuLevel®** G40 is blended with aggregate on site, it offers a substantial cost savings to conventional pre-sanded underlayments. Installed by a network of licensed contractors, **AccuLevel®** G40 is the best choice for thick or thin floor leveling projects.
 - ✓ Versatile, pumpable underlayment that can be installed from feather-edge to 3/8" thickness, depending on aggregate size and job-site conditions. Up to 1-1/2" thickness in a single application on concrete and wood decks.



GREENGUARD
Gold Certified

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Physical Properties

Color	Color Gray Powder
Flow Properties	Flow Properties High flow with self-leveling properties
Water Per Bag	Water Per Bag 3 to 4.25 US Gal. per 80 lb. bag
Sand Per Bag	0.80 to 1.40 ft ³ of washed mason or concrete sands meeting AccuLevel® minimum gradation criteria
Compressive Strength	(ASTM C472) up to 5,000 psi depending on mix design, sand gradation, water content, and slump size.
Density	115 to 125 lb./ft ³
Recommended Thickness	Feather-edge to 3/8" to 1-1/2" in a single lift, depending on mix design and sand gradation.
Surface Burning Characteristics	ASTM E84 – Flame Spread: 0, Fuel Contribution: 0, Smoke Density: 0
	Fire testing of construction products and materials ASTM E119 : Pass

Uses and Limitations

- ✓ **AccuLevel®** G40 is ideal for light commercial and commercial renovation settings where smooth flat, abuse resistant underlayments are desired. Due to its high compressive strength and exceptional surface quality, **AccuLevel®** G40 is suitable for most critical floor coverings, including engineered wood and sheet goods.
- ✓ **AccuLevel®** G40 can be installed from a minimum of feather-edge to 3/8" thickness depending on mix design and sand gradation. Poured up to 1-1/2" in a single application. Where feather-edge is required, a minimum of 1/8" thickness is recommended to avoid drying before hydration is complete. When used with hydronic heating /steel decking AccuLevel G40 must be poured minimum 3/4" above the top of the tubing or 1" above the top of the metal fluting. Its fast setting and high dimensional stability characteristics enable fast turn-around and low surface preparation installations.
- ✓ **AccuLevel®** G40 serves as an efficient thermal mass for hydronic heating systems, with typical installed thickness of 1 1/2" (3/4" over the top of the hydronic tubing).
- ✓ Suitable Substrates include fully cured new or existing concrete. Installations over wood substrates less than 1 1/2" in thickness may require reinforcing lath. In cases where a bond is not anticipated to the substrate, a minimum thickness of 1 1/2" must be applied. Consult an **AccuLevel®** G40 technical representative where special substrate conditions exist.

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- ✓ **AccuLevel®** G40 can be poured over galvanized steel deck with a minimum flute depth of 9/16". Pour minimum 1" on top of fluting . Steel deck 22 gauge minimum, galvanized. Deflection limits: Live and dead loads considered, L/360 minimum. Deflection limits of decking: L/480. More restrictive deflection limits may be required by some types of floor goods. Contact the floor covering manufacturer for minimum specifications.
- ✓ Curing and drying time before application of floor goods depends on thickness, humidity and ventilation conditions. At a thickness of 1/2", **AccuLevel®** can typically be covered in 3 days. At a thickness of 1 1/2", **AccuLevel®** G40 can normally be covered with tile in 7 to 10 days and nonporous floor coverings in 15 to 20 days. Thinner applications can be covered more quickly, while thicker applications will require more extended drying times. 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.
- ✓ **AccuLevel®** G40 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.
- ✓ **AccuLevel®** G40 is intended for use over dry substrates. 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.
- ✓ Where high dynamic and point loads are anticipated, such as hospitals and institutional settings, the substrate must be profiled to a minimum ICRI CSP 3 to enhance the bond to substrate, and a 4,000 psi minimum compressive strength is required.
- ✓ Where feather-edge is required, a minimum of 1/8" thickness is recommended to avoid drying before hydration is complete.
- ✓ **AccuLevel®** G40 should not be used to bridge moving cracks or expansion joints. All joints must be honored through to the substrate.
- ✓ **AccuLevel®** G40 is not a wear surface and is not intended for use as a structural element.

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Uses and Limitations

- ✓ Once the **AccuLevel®** 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 manufacturer supersede this recommendation.
- ✓ Wear a NIOSH approved dust mask and provide ventilation when mixing the product.
- ✓ **AccuLevel®** G40 is not a wear surface and is not intended for use as a structural element.
- ✓ Once the **AccuLevel®** 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 manufacturer supersede this recommendation.
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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



ACG MATERIALS

SUBMITTAL SHEET

AccuLevel™

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.