

AccuLevel™

AccuLevel G40

Premium Polymer-Modified Self Leveling Cementitious Underlayment

Description

- ✓ Unique formulation with enhanced performance characteristics to deliver a dense, smooth, high compressive strength substrate suitable for a wide array of floor coverings.
 - ✓ Ready for light trade traffic within hours and normal trade traffic within 24 hours.
 - ✓ Approved for use with hydronic heating systems.
 - ✓ Ready for floor coverings as soon as 3 days when poured at 1/2" thickness.
 - ✓ Pumpable underlayment that can be installed from a minimum of 3/8" thickness, or thinner depending on aggregate size and jobsite conditions, or up to 1 1/2" thickness in a single application.
 - ✓ 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.

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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	3/8" to 1 1/2" in a single lift.

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 3/8" thickness, or thinner depending on aggregate size and jobsite conditions, or up to 1 1/2" thickness in a single application. 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.
- ✓ **AccuLevel®** G40 can be substituted for **AccuLevel®** SD30 in galvanized corrugated steel deck assemblies. Consult design limitations and specifications for **AccuLevel®** SD30 for technical details and framing requirements.

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- ✓ 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 non porous floor coverings in 15 to 20 days. Thinner applications can be covered more quickly, while thicker applications will require more extended drying times.
- ✓ **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.
- ✓ **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.
- ✓ 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.
- ✓ When used in conjunction with hydronic heating systems, pour **AccuLevel®** G40 to a minimum thickness of 3/4" above the top of the hydronic tubing.
- ✓ Wear a NIOSH approved dust mask and provide ventilation when mixing the product.

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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

Submittal Approvals

Minimum Compressive Strength: _____

Project Name: _____

Architect: _____

Date: ____/____/____

Contractor: _____

Date: ____/____/____

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