ARCOSA
SPECIALTY MATERIALS

SUBMITTAL SHEET

AccuLevel™

AccuLevel H40

Cementitious Underlayment

- ✓ Fast setting, quick application, light trade traffic within hours.
- ✓ Contains innovative hybrid cement technology developed by Arcosa Specialty Materials to provide high early strength and a durable smooth surface capable of withstanding construction trade traffic.
- ✓ Ideal for out of level new or existing concrete and damaged concrete floors in commercial, institutional, and renovation construction.
- ✓ Smooth, dense, crack resistant surface.
- ✓ No hand troweling required.
- ✓ Excellent for both thin and deep applications, from 3/8" to 1 1/2” in a single lift depending on sand gradation.
- ✓ Low-prep formulation: no bead blasting required for pedestrian traffic use.
- ✓ Installed by experienced, licensed applicators.

Description

- ✓ **AccuLevel**® H40 Floor Underlayment System is fast applied, quick setting, polymer modified hydraulic cement formulated and manufactured by Arcosa Specialty Materials for use in poured in place and pre-cast concrete construction in commercial and institutional buildings. **AccuLevel**® H40 underlayment can also be poured over wood subfloors (reinforcing mesh is required to pour over damaged, weak or voids in wood subfloors. Please consult your licensed **AccuCrete**® Applicator for details). When required by your schedule this high strength underlayment can be poured prior to drywall installation (for more information on pouring before drywall consult your licensed **AccuCrete**® Applicator).
- ✓ **AccuLevel**® H40 is formulated to deliver a compressive strength up to 7,000 psi when fully cured.
- ✓ **AccuLevel**® H40 is batch mixed on the jobsite with sand and water providing a monolithic, smooth, lightweight surface. At 3/4” in thickness **AccuLevel**® H40 weighs approximately 7.8 lbs. per sq. ft. and has a density of approximately 120 to 125 lbs. cu. ft. per bag.
- ✓ **AccuLevel**® H40 provides a cost effective, crack resistant, lightweight, fire resistant, floor leveling underlayment in residential, multi-family, commercial, institutional, as well as new and renovation type construction. Designed system provides for a smooth, level, and dense surface suitable for any type of floor covering.

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	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® / AccuCrete® minimum gradation criteria
Compressive Strength	(ASTM C109, air cure 28 day) up to 7,000 psi depending on mix design, sand gradation, water content, and slump size.
Dry Density	120 to 125 lb./ ft^3
Recommended Thickness	3/8” to 1 1/2” in a single lift.
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

- ✓ No single application of **AccuLevel**® H40 should exceed 1 1/2” in depth. Consult your licensed AccuCrete® Applicator on how to achieve depths greater than 1 1/2”.
- ✓ Shot blasting is not required for most applications. However, institutional or commercial environments where heavy rolling loads or point loads are anticipated, shot blasting is required to enhance the bond to the substrate.
- ✓ For installations on or below grade the concrete must be well drained and concrete moisture or vapor emission must be reduced to less than 5 lb. per 1,000 sq ft. per 24 hours (Calcium Chloride method per ASTM F1869). Floor covering manufacturer requirements supersede when lower.
- ✓ **AccuLevel**® H40 will not structurally bridge over expansion joints, saw cuts, or structural cracks. The architect or structural engineer must specify expansion joints, and show their locations in the areas that are to receive hard surface floor goods such as ceramic or marble tile, and hardwood flooring.
- ✓ **AccuLevel**® H40 should not be used as a wearing surface.
- ✓ **AccuLevel**® H40 should not be used for exterior applications, but is suitable for use in areas where periodic exposure to moisture is anticipated.

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Installation

- ✓ **AccuLevel**® H40 can be poured before the building is fully enclosed.
- ✓ **AccuLevel**® H40 is designed to withstand temporary exposure to weather, provided the ambient and substrate temperature is above 50 degrees F during and for 48 hours after the installation. Provide continuous ventilation and heat to remove excess moisture until underlayment is dry. The absence of condensation on windows will confirm adequate ventilation.
- ✓ Installations over concrete slabs require the concrete to be properly cured (typically 28 days), moisture free and have no efflorescence prior to the installation of **AccuLevel**® H40. All cracks and potential leaks must be sealed or patched with a fast-drying, cement-based patching compound. Plumbing or electrical penetrations should be packed with insulation and sealed. Any loose or weak material present on substrate must be mechanically removed.
- ✓ 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 dusk mask and/or 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.

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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

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 Arcosa Specialty 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 Arcosa Specialty of any alleged defects. Replacement of defective material will be made only upon ASM'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 ASM'S LIABILITY HERUNDER EXCEED THE PURCHASE PRICE OF THE DEFECTIVE MATERIAL.

MINED AND MANUFACTURED IN THE U.S.A.

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