



Levelrock[®]

Floor Underlayment Selector

High-Strength Flooring Solutions



Levelrock® Floor Underlayment

With its wide range of installation and performance benefits, poured underlayment is becoming the choice for more residential, commercial and institutional construction projects than any other type of underlayment.

Higher Strength

The LEVELROCK® family of floor underlayment products offers a higher range of compressive strengths than any other poured underlayment product. That means no flaking, no dusting and no chipping. LEVELROCK floor underlayments resist cracks and provide exceptionally durable, acoustically superior floors that consistently deliver best-in-class performance.

Superior Quality

You can expect the same high-quality results on every job. LEVELROCK floor underlayment is installed by highly trained applicators who are supported by USG quality control teams. The result is a complete design/build solution that ensures reliable performance, industry-leading quality and superior value.

Performance At A Higher Level



Benefits

Poured cementitious underlayments that deliver exceptional compressive strength, sound control and fire-resistance properties.

With state-of-the-art research and development facilities, combined with more than 40 years of experience manufacturing cementitious floor underlayments for our customers, USG leads the way in exceptional poured flooring performance and quality.

Strong

LEVELROCK floor underlayments deliver compressive strengths from 2500 to 8000 psi and are formulated to minimize the potential for shrinkage cracking. The high-strength formulations protect against wear from trade traffic during construction, ensuring long-lasting performance. Higher strengths also can permit pouring before drywall, enhancing construction trade scheduling and flexibility. LEVELROCK underlayment pours are tested for compressive strength according to ASTM standards, so you know exactly what performance you're getting. For residential, commercial or institutional interior floors, LEVELROCK floor underlayment delivers the strength your job requires.

Lightweight

LEVELROCK floor underlayment is one of the lightest-weight cementitious underlayments available. For every 1/4 in. of thickness, you'll add approximately 2.5 lbs./sq. ft., with an approximate dry density range of 113 – 130 lbs./cu. ft.

Quiet

During application, the underlayment slurry mix fills cracks and voids, eliminating sound channels. The addition of LEVELROCK™ low profile D20™ sound mat, LEVELROCK™ SAM-N25™ and SAM-N40™ sound attenuation mats, LEVELROCK™ SRM-25™ sound reduction mat or LEVELROCK™ SRB™ sound reduction board can increase acoustical performance to exceed code requirements in recommended systems.

Safe

LEVELROCK floor underlayment systems (including all sound-rated systems) are Classified by Underwriters Laboratories. Both 1- and 2-hour ratings are available for wood frame floor/ceiling assemblies, and 3-hour ratings are available for precast concrete floor/ceiling assemblies. For the most up-to-date list of UL assemblies, visit ul.com.

Versatile

A full range of products provides the flexibility you need. Wood, concrete, metal deck or radiant heat floors, thin to thick pours, pumped or mixed with a drill in a bucket — there's a LEVELROCK product to meet your specifications. Different LEVELROCK products accept a wide variety of floor coverings, including carpet, ceramic tile, wood laminate, hardwood, vinyl and epoxy or stained coatings. Some higher-strength LEVELROCK products can also be used as wear surfaces.

Economical

LEVELROCK floor underlayment installs quickly and economically. Depending on the floor layout, up to 30,000 sq. ft. can be poured in a single day, allowing light trade traffic to resume within 24 hours.

Products

	LEVELROCK® 2500 Floor Underlayment	LEVELROCK® 3500 Floor Underlayment
Description	Economical, fast-applying underlayment for multi-family and light-commercial construction. Can be poured before drywall is installed, ^(a) so it dries faster, helps prevent mold by minimizing wallboard exposure to high moisture levels and allows for greater scheduling flexibility.	Hard-surface upgrade in multi-family and light-commercial projects. Can be poured before drywall is installed and meets vinyl industry's commercial performance requirements.
<p>Green Formulation Available in a formulation using FGD recaptured gypsum, which may help a project qualify for USGBC LEED® credits MR 4.1 and 4.2. See USG system brochure SA305 for more information.</p>		
Physical Properties		
Approximate Strength (psi)	2500 – 3500 ^(c,d)	3500 – 4500 ^(c,d)
Approximate Dry Density (lbs./cu. ft.)	116 – 124	118 – 124
Approximate Weight (lbs./sq. ft.)	7.5 at 3/4" thickness ^(e)	7.5 at 3/4" thickness ^(e)
Product Selector	LEVELROCK 2500	LEVELROCK 3500

Building Type

Single-Family	●	
Multi-Family	●	● High traffic
Light-Commercial	● Light traffic	●
Commercial/Retail/Office		● Light to medium traffic
Hotel/Motel	● Light traffic	●
Institutional		● Light to medium traffic

Subfloor Type

Plywood and OSB	●	●
Heavy Wood Plank	●	●
Corrugated Steel Deck		
Concrete	●	●
Concrete Plank	●	●
Concrete Repair/Leveling		●
Radiant Heat		

Notes

- (a) Consult your USG representative regarding specific performance requirements.
- (b) Typically permits the floor covering to be installed without the need to seal the underlayment. Consult your USG representative regarding specific performance requirements.
- (c) Compressive strengths published herein were achieved under controlled laboratory conditions. Actual field results may differ due to environmental conditions, regional sand variations, inconsistent proportioning of field applied water, sand and LEVELROCK floor underlayment, as well as differences in mixing/pumping equipment.

(d) Tested according to modified ASTM C472.

(e) Reflects typical application thickness.

(f) Specific product installation requirements and limitations apply; see *LEVELROCK CSD EARLY EXPOSURE Floor Underlayment* submittal sheet (IG1648).

(g) QUIK-TOP and PROFLOW floor underlayments can be used as a finished floor when covered with an approved coating system. Contact your local LEVELROCK sales representative for further details.

(h) Requires special procedures. Contact your local LEVELROCK sales representative for further details.

(i) When used as a topping over LEVELROCK CSD products.

(j) Can be used as a decorative topping over LEVELROCK radiant heat products.

LEVELROCK floor underlayments are designed to meet specific requirements for a wide range of new construction, repair and renovation applications.

LEVELROCK® 4500 Floor Underlayment	LEVELROCK® 4500 NGX™ Floor Underlayment	LEVELROCK® RH Floor Underlayment	LEVELROCK® Commercial RH Floor Underlayment
Exceptionally high-strength formula for floor corrections over concrete in heavy-traffic commercial and institutional applications.	Innovative, self-sealing technology ^(b) in an exceptionally high-strength formula for floor corrections over concrete in heavy-traffic commercial and institutional applications.	For use with radiant floor heating systems designed according to Radiant Panel Association (RPA) guidelines.	Fast-applying formulation for electrical and hot water radiant heat floor installations under commercial floor coverings.
4500 – 5500 ^(c,d)	4500 – 5500 ^(c,d)	2500 – 3500 ^(c,d)	3500 – 4500 ^(c,d)
125 – 129	123 – 130	117 – 123	118 – 124
8 at 3/4" thickness ^(e)	5 at 1/2" thickness ^(e)	15.5 at 1-1/2" thickness ^(e)	15 at 1-1/2" thickness ^(e)
LEVELROCK 4500	LEVELROCK 4500 NGX	LEVELROCK RH	LEVELROCK Commercial RH

		●	
		●	● High traffic
●	●	● Light traffic	●
●	●		● Light to medium traffic
●	●	● Light traffic	●
●	●		● Light to medium traffic

		●	●
		●	●
●	●	●	●
●	●	●	●
●	●		
		●	●

UL Designs

UL designs for LEVELROCK floor underlayments (refer to individual product literature for applicable designs):
 G230, G516, G535, G551, G553, G556, G559, G562, G564, G566, G571, J917, J919, J920, J924, J927, J931, J957, J966, J991, J994, K906, L206, L501, L502, L505, L506, L508, L511, L512, L513, L514, L515, L516, L518, L521, L523, L524, L525, L526, L527, L528, L529, L530, L532, L534, L535, L536, L537, L538, L539, L541, L542, L543, L547, L548, L549, L550, L551, L552, L555, L556, L557, L559, L560, L562, L563, L565, L568, L569, L570, L571, L573, L574, L577, L583, L588 and L592.
 For the most up-to-date list of UL assemblies, visit ul.com.

Compliance

See individual product literature for applicable code approvals.

Model Building Code Approvals

- ICC Evaluation Service Legacy Report No. ER-5885; ESR pending.
- City of L.A. Research Report 25674

New York City Department of Buildings

MEA (Materials and Equipment Acceptance)

MEA 236-01-M
 MEA 133-05-M

U.S. Department of Housing

HUD-1314

Products

	LEVELROCK® CSD® Floor Underlayment	LEVELROCK® CSD® EARLY EXPOSURE™ Floor Underlayment
Description	Designed for use in permanently enclosed buildings with light-gauge steel frame construction and direct application to corrugated steel decks.	Designed for use in buildings with light-gauge steel frame construction and direct application to corrugated steel decks. Can be poured before permanent windows and doors are installed. ^(f)
<p>■ Green Formulation Available in a formulation using FGD recaptured gypsum, which may help a project qualify for USGBC LEED® credits MR 4.1 and 4.2. See USG system brochure SA305 for more information.</p>		
Physical Properties		
Approximate Strength (psi)	3500 – 4500 ^(c,d)	3500 – 5000 ^(c,d)
Approximate Dry Density (lbs./cu. ft.)	121 – 125	119 – 127
Approximate Weight (lbs./sq. ft.)	13 at 1-9/16" thickness ^(e)	13 at 1-9/16" thickness ^(e)
Product Selector	LEVELROCK CSD	LEVELROCK CSD EARLY EXPOSURE

Building Type

Single-Family		
Multi-Family	●	●
Light-Commercial	●	●
Commercial/Retail/Office	●	●
Hotel/Motel	●	●
Institutional	●	●

Subfloor Type

Plywood and OSB		
Heavy Wood Plank		
Corrugated Steel Deck	●	●
Concrete	●	●
Concrete Plank	●	●
Concrete Repair/Leveling		
Radiant Heat		

Notes

- (a) Consult your USG representative regarding specific performance requirements.
- (b) Typically permits the floor covering to be installed without the need to seal the underlayment. Consult your USG representative regarding specific performance requirements.
- (c) Compressive strengths published herein were achieved under controlled laboratory conditions. Actual field results may differ due to environmental conditions, regional sand variations, inconsistent proportioning of field applied water, sand and LEVELROCK floor underlayment, as well as differences in mixing/pumping equipment.

(d) Tested according to modified ASTM C472.

(e) Reflects typical application thickness.

(f) Specific product installation requirements and limitations apply; see *LEVELROCK CSD EARLY EXPOSURE Floor Underlayment* submittal sheet (IG1648).

(g) QUIK-TOP and PROFLOW floor underlayments can be used as a finished floor when covered with an approved coating system. Contact your local LEVELROCK sales representative for further details.

(h) Requires special procedures. Contact your local LEVELROCK sales representative for further details.

(i) When used as a topping over LEVELROCK CSD products.

(j) Can be used as a decorative topping over LEVELROCK radiant heat products.

For commercial, institutional, multi-family and single-family applications, LEVELROCK floor underlayment delivers practical solutions that literally floor the competition.

LEVELROCK® CSD® RH Floor Underlayment	LEVELROCK® CSD® RH EARLY EXPOSURE™ Floor Underlayment	LEVELROCK® PROFLOW™ Floor Underlayment	LEVELROCK® QUIK-TOP™ Floor Underlayment
Lightweight formulation for permanently enclosed buildings featuring light-gauge steel frame construction and corrugated steel deck applications requiring radiant heat floor installations under commercial floor coverings.	Designed for use in buildings with light-gauge steel frame construction, direct application to corrugated steel deck and radiant heat systems. Can be poured before permanent windows and doors are installed. ^(f)	The highest-strength cementitious underlayment in the industry. Does not require shot-blasting. Can be used as a finished floor. Gray PROFLOW floor underlayment can be clear-coated to simulate a concrete look. ^(g)	Innovative technology permits finished floor installation within 15 hours. Self-sealing formulation ^(b) eliminates the need to seal the underlayment. Can be stained for a decorative look. ^(g)
3500-4500 (c,d)	3500 – 5000 (c,d)	6000 – 8000 (c,d)	5000 – 6000 (c,d)
121 – 125	119 – 127	113 – 123	124 – 130
18.5 at 2-1/16" thickness ^(e)	18.5 at 2-1/16" thickness ^(e)	2.5 at 1/4" thickness ^(e)	2.5 at 1/4" thickness ^(e)
LEVELROCK CSD RH	LEVELROCK CSD RH EARLY EXPOSURE	LEVELROCK PROFLOW	LEVELROCK QUIK-TOP
		●	
●	●	● (h)	● (h)
●	●	●	●
●	●	●	●
●	●	● (h)	● (h)
●	●	●	●
		● (h)	● (h)
		● (h)	● (h)
●	●	● (h,i)	● (h,i)
●	●	●	●
●	●	●	●
		●	●
●	●	● (i)	● (i)

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Technical Service

800 USG.4YOU

Web Sites

levelrock.com

usgdesignstudio.com

Literature/Samples

817 329.1808

Customer Service

800 621.9523

Product Updates

See levelrock.com for the most up-to-date product information.

Trademarks

The following trademarks used herein are owned by United States Gypsum Company or a related company: CSD, D20, EARLY EXPOSURE, LEVELROCK, NXG, PROFLOW, QUIK-TOP, SAM-N25, SAM-N40, SRB, SRM-25, USG, USG in stylized letters.

LEED is a registered trademark of U.S. Green Building Council.

Notice

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions or for other than the intended use. Our liability is expressly limited to replacement of defective goods. Any claim shall be deemed waived unless made in writing to us within thirty (30) days from date it was or reasonably should have been discovered.

Safety First!

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation.

