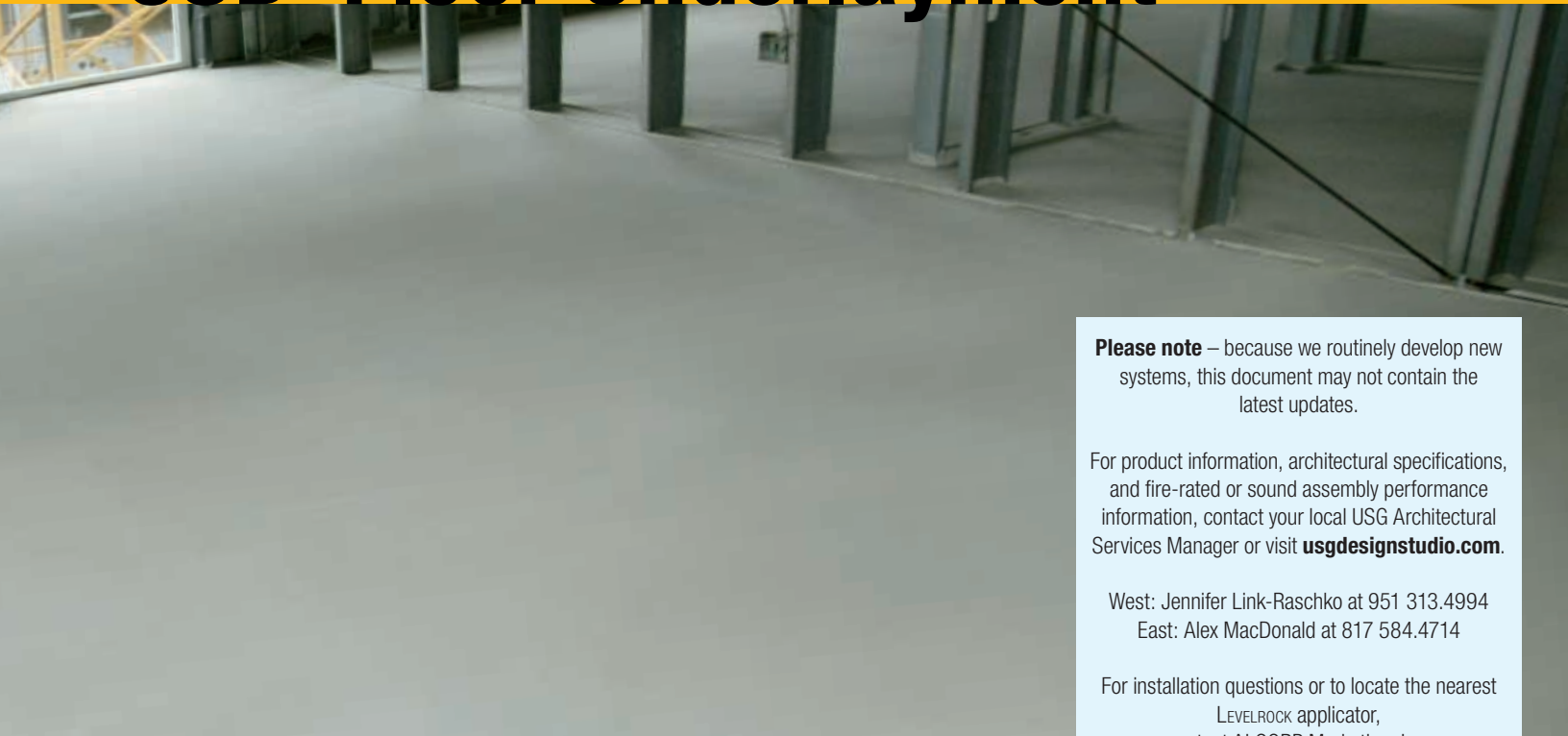




The Lightweight Flooring Solution

Levelrock[®]

CSD[™] Floor Underlayment



Please note – because we routinely develop new systems, this document may not contain the latest updates.

For product information, architectural specifications, and fire-rated or sound assembly performance information, contact your local USG Architectural Services Manager or visit usgdesignstudio.com.

West: Jennifer Link-Raschko at 951 313.4994
East: Alex MacDonald at 817 584.4714

For installation questions or to locate the nearest LEVELROCK applicator, contact ALCORP Marketing, Inc. at 817 329.1808.

CSD floor underlayment is the ideal solution for midsize buildings up to eight floors. Used in conjunction with light-gauge steel framing and a corrugated steel deck, CSD floor underlayment makes it possible to build higher, lighter and faster – at substantially lower costs.



Levelrock[®]

CSD[™] Floor Underlayment

Going Above and Beyond

Lightweight

A specialty formulation for use in buildings with light-gauge steel frame construction and a corrugated steel deck, the CSD floor underlayment system is applied at a much lower thickness than conventional poured-in-place concrete, making it uniquely lightweight. It weighs only 12.8 psf and requires a minimum of 1" above the top of the flutes. Average pour thickness with a standard 9/16" deck is only 1-9/16", making it 55 percent lighter than 3" of concrete.

Economical

This lightweight floor system allows builders to exceed the limits of wood construction, without the high costs of switching to structural steel or reinforced concrete. And building higher means more rentable/sellable space on the same footprint, making it a great solution for high-density areas. CSD floor underlayment can streamline trade traffic and provide scheduling advantages because it's quick to install (up to 20,000 square feet per day), virtually self-leveling, and fast-drying (limited trade traffic can resume in 24 hours).



Durable

Robust compressive strength of 3,500-4,000 psi meets the requirements of the Tile Council of North America (TCNA) and commercial vinyl floor goods.



Fire rated

UL-rated assembly provides one- and two-hour fire ratings for safety and insurability.



Sound performance

With the addition of the LEVELROCK™ SRM-25™ sound mat, the CSD floor underlayment system provides excellent soundproofing that exceeds International Building Code (IBC) requirements of 50 IIC and 50 STC.

Quality-controlled

On-site mixing and application by USG-authorized LEVELROCK applicators ensures that the product is installed properly and efficiently. Slump tests and cube testing assure ongoing quality control throughout the pour.

Technical Data

- Compressive strength: 3500-4,000 psi ASTM 472
- Density: 120-125 density, dry (lbs./cu.ft.)
- Weight: 12.8 psf at 1-9/16"

Components

- Minimum 1-9/16" LEVELROCK floor underlayment
- Minimum 22 gauge steel deck
- Minimum 9-1/4" 18 gauge TRADEREADY® steel joist, 24" o.c.
- RC-1 spaced 12" o.c
- Minimum 3-5/8" insulation
- 5/8" SHEETROCK® brand FIRECODE® Core gypsum panel
- Optional SRM-25 sound mat^a
- Optional USG DGL drywall suspension system^a

Note

(a) Optional for UL fire rating, but required for sound rating.



More Height

Add floors without adding the costs associated with structural steel or reinforced concrete. Ideal for high-density areas, this lightweight floor design allows building beyond wood construction limitations for buildings over three stories.

More Strength

Achieve all the strength with half the weight. It's 55 percent lighter than a conventional concrete system, reducing total dead load and minimizing structural framing to carry the load of additional floors.

More Speed

Quick installation – up to 20,000 square feet per day – helps streamline scheduling and keeps projects on track. Plus, it's virtually self-leveling and fast-drying, so light trade traffic can resume next day – allowing floor covering to be installed sooner.

More Economy

Reduces material cost as well as total project cost by minimizing the weight of the floor system and supporting structure. And lighter-weight construction means additional floors can be added easily and cost-effectively, increasing square footage on the same footprint.



Product Information/Literature

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Technical Service

800 USG.4YOU

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Trademarks

The following trademarks used herein are owned by United States Gypsum Company: GSD, FIRECODE, LEVELROCK, SHEETROCK, SRM-25. TRADEREADY is a registered trademark of Dietrich Industries.

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Safety First!

Follow good safety and industrial hygiene practices during handling and installation of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

