

Levelrock® Floor Underlayment

Quik-Top™



Premium poured underlayment product with self-drying technology

- Allows for application of floor covering within 15 hours of underlayment application
- Minimizes downtime for commercial and institutional repair and renovation
- Suitable for a variety of floor coverings
- Can be stained or used by itself as a finished floor with an appropriate coating system
- Typically eliminates sealing of floor normally required prior to application of floor-covering adhesive
- No shot blasting required

Description

LEVELROCK® QUIK-TOP™ floor underlayment is a pre-sanded cementitious underlayment designed by USG for interior use in commercial, institutional and rehab construction. It provides a smooth, hard underlayment surface over concrete slabs, pre-stressed concrete or concrete planks at a typical thickness from featheredge to 1". An innovative USG technology¹ minimizes downtime with quick set times and high production rates. This allows for trade traffic within hours of installation and installation of floor coverings within 15 hours after the underlayment is poured.

Typically within one day, a floor can be prepped, poured and floor coverings applied, permitting businesses to reopen the next day. LEVELROCK QUIK-TOP floor underlayment facilitates scheduling flexibility in new construction by allowing all trades to finish and clean up prior to application of flooring goods, minimizing potential damage to finished floor coverings. Typically eliminating the need for sealing/priming of the LEVELROCK QUIK-TOP floor underlayment allows for faster installation of floor coverings.²

LEVELROCK QUIK-TOP floor underlayment is suitable for a variety of floor coverings. It exceeds commercial vinyl floor-covering requirements as a high-performance underlayment with compressive strengths of up to 6000 psi. The exceptional surface hardness of LEVELROCK QUIK-TOP floor underlayment resists indentation. Higher compressive strengths minimize floor damage from trades.

LEVELROCK QUIK-TOP floor underlayment can be stained using an approved stain and protective coating system. Staining can typically start 12 hours after installation of underlayment, speeding production scheduling. The underlayment can also be used by itself as a finished floor with an appropriate coating system.

Notes 1. Patent pending.

2. Floor manufacturers' recommendations may supercede those presented here — especially with respect to the requirement for sealing underlayment.

Limitations

1. Do not use in exterior applications.
2. Do not install where continuous exposure to moisture is a possibility (for instance, exterior balconies or large commercial/institutional shower rooms).
3. Do not install in below-grade applications.
4. Do not install over plywood or OSB floors or wood floors with thicknesses of less than 1" without reinforcement. Contact your local USG representative regarding proper procedures.
5. Do not install over subfloors exceeding L/360 deflection.

Installation

Subfloors must be clean, structurally sound and dry. All loose construction debris, including joint compound, excessive dust, mud, oil and/or grease, should be removed prior to application. Use of oil-based sweeping compounds is not recommended. Shot blasting is not required.

Prime concrete subfloors with LEVELROCK™ floor underlayment concrete primer. Follow manufacturer's instructions.

Cracks due to building movement, if not addressed properly, will eventually telegraph through LEVELROCK QUIK-TOP



floor underlayment. Contact your USG representative for detailed instructions. To minimize potential telegraphing from large cracks, cracks should be grouted prior to application of LEVELROCK QUIK-TOP floor underlayment. Adhere to the grouting manufacturer's requirements regarding when a surface may be applied over grout.

Use a Protimeter® or plastic sheet method (ASTM D4263) to ensure the underlayment is dry prior to application of the floor covering. LEVELROCK QUIK-TOP floor underlayment applied at a maximum 1" thickness will dry in approximately 15 hours at 75 °F/50% relative humidity.

When applying on-grade, the vapor transmission of the subfloor should be checked first using either the ASTM F1869 calcium chloride test or ASTM F2170 method. Vapor transmission limits are determined by the type of floor covering. Consult your floor-covering manufacturer. Where vapor transmission rates are greater than 3 lbs./24 hrs./1,000 sq. ft., consult your USG representative for the proper remedy.

During the entire installation process, the building must be enclosed and temperature maintained at 50 °F (10 °C) minimum until permanent heating is available. Adequate ventilation must be provided to ensure uniform drying of the installed floor underlayment. The deflection of the floor decking and framing must not exceed L/360 to prevent undue stress in the floor fill material, as this stress may produce cracks. Over a wood subfloor, consult your USG representative for proper installation procedures. Concrete subfloors that are receiving poured underlayment systems must be cured properly (generally for a minimum of 28 days) prior to the underlayment installation. Concrete subfloors should be treated properly with LEVELROCK floor underlayment concrete primer according to USG's recommendations. Place product continuously over concrete subfloors at 1/4" thickness except at authorized joints. Product may be featheredged as required to meet existing grades.

Product Data

LEVELROCK QUIK-TOP floor underlayment is sanded at the factory. Job site addition of sand is not recommended and will violate the warranty. LEVELROCK QUIK-TOP floor underlayment is mixed with water to yield a lightweight, leveling slurry. A 1/2"-thick underlayment weighs approximately 5 lbs./sq. ft. and has an approximate dry density range of 124–130 lbs./cu. ft.

Approximate Compressive Strength (aggregated) ASTM C472 (modified): 5000–6000 psi*

Approximate Dry Density (aggregated): 124–130 lbs./cu. ft

Note *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.

Submittal Approvals

Job Name	
Contractor	Date

Product Information

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

WARNING!

When mixed with water, this material hardens and becomes very hot — sometimes quickly. DO NOT attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions can cause severe burns that may require surgical removal of affected tissue or amputation of limb. Portland cement is strongly alkaline. Direct contact can be corrosive and cause severe damage or chemical burns to the eyes and wet or moist skin. Avoid contact

with eyes and skin. Wear eye protection, alkali-resistant protective gloves, long-sleeved shirts and pants to prevent direct contact. If eye contact occurs, immediately flush thoroughly with water for 30 minutes and seek medical advice. Inhalation of dust may be corrosive or cause chemical burns or irritation to nose, throat and respiratory tract. Long-term breathing of respirable crystalline silica dust can cause permanent lung damage and/or cancer. Avoid breathing dust. Use in a well-ventilated area or provide sufficient local ventilation. If dusty, wear a NIOSH/MSHA-approved dust

respirator. Wash thoroughly with soap and water after use. Do not ingest. If ingested, call physician. Product safety information: 800 507.8899 or usg.com.

KEEP OUT OF REACH OF CHILDREN.

Trademarks

The following trademarks used herein are owned by United States Gypsum Company or a related company: LEVELROCK, QUIK-Top, USG. Protimeter is a trademark of GE.

Notice

We shall not be liable for incidental or consequential damages, directly or indirectly sustained, nor for any loss

caused by application of these goods not in accordance with current printed instruction 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.

