

USG DUROCK™ BRAND SELF-LEVELING UNDERLAYMENT

QUIK-TOP™ WHITE QUIK-TOP™ GRAY

Premium poured underlayment product with self-drying technology

- Allows for application of floor covering within 15 hours of underlayment application¹
- 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
- Applied by USG Levelrock® Brand authorized applicators

DESCRIPTION

USG Durock™ Brand Quik-Top™ White and USG Durock™ Quik-Top™ Gray Self-Leveling Underlayments are pre-sanded cementitious underlayments designed by USG for interior use in commercial, institutional and rehab construction. They provide a smooth, hard underlayment surface over concrete slabs, pre-stressed concrete or concrete planks at a typical thickness from featheredge to 1 in. An innovative USG technology 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 underlayment¹ is poured.

Typically within two days, a floor can be prepped, poured and floor coverings applied. USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayments facilitate 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 USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayments allows for faster installation of floor coverings.²

USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayments are suitable for a variety of floor coverings. They exceed commercial vinyl floor-covering requirements as high-performance underlayments with compressive strengths of up to 10,000 psi. The exceptional surface hardness of USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayments resist indentation. Higher compressive strengths minimize floor damage from trades and minimizes the need for repair patching.

USG Durock™ Quik-Top White self-leveling underlayment can be stained using a tested stain and protective coating system. Staining can typically start 12 hours after installation of underlayment, speeding production scheduling. USG Durock™ Quik-Top White self-leveling underlayment can also be used by itself as a finished floor with an appropriate clear coating system. USG Durock™ Quik-Top Gray self-leveling underlayment provides a concrete look for industrial, commercial or loft styles when used with a clear coating.

NOTES ¹After USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayment application, wait 24 hours before applying USG Durock™ X2 Primer-Sealer. After primer-sealer application, wait 4 hours prior to adhesive and floor-covering application. ²Floor manufacturers' recommendations may supercede those presented here — especially with respect to the requirement for sealing underlayment. In all cases, a field bond test using the floor-covering adhesive is recommended.

WARRANTY

A 10-year limited system warranty applies when using USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayments sealed with USG Durock™ X2 primer-sealer and a XL Brands® manufactured adhesive. Please contact USG for further details.

LIMITATIONS

1. Do not use in exterior applications.
2. Do not install where continuous exposure to moisture is a possibility.
3. Do not install in below-grade applications.
4. Do not install directly over wood floors. Contact your local USG representative regarding proper procedures.
5. Do not use over expansion or isolation joints. Continue all movement joints in the concrete slab up through the layer of underlayment. In areas where the expansion or isolation joints are not present in the floor or where the concrete slab has developed systematic cracks in response to slab movement, consult with an engineer on the project or request the services of a professional structural engineer to provide such joints as part of the system in accordance with engineering requirements and industry standards.
6. Structure shall be designed so that deflection does not exceed L/240 from combined dead and live loads and L/360 from live loads. Certain floor coverings such as marble, limestone, travertine and wood may have more restrictive deflection limits. Consult the appropriate floor-covering manufacturer.
7. Do not pour USG Durock™ Quik-Top self-leveling underlayments at thicknesses greater than 1 in.

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.

Cracks in the existing concrete subfloor must be inspected to determine if the crack is due to typical concrete “shrink” or if it is a result of a structural movement. In the case of the latter, remediation of the crack must be addressed or eventually the crack will telegraph through USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayment. Repair all existing cracks in old and new concrete to minimize and control their ability to telegraph through the layer of USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayment. Remove the weak concrete along the length of the cracks by chiseling or other suitable means. Remove accumulated dust and debris from the crack cavities using a vacuum or other suitable means. Various cracks present in the concrete subfloor including shrinkage cracks must be filled with a suitable commercially available crack-fill epoxy adhesive designed for concrete flooring applications. To ensure superior resistance to crack growth, use injection epoxy crack-repair techniques per industry guidelines to repair cracks that are active or deep. Note that repair of existing cracks in the concrete subfloor only subdues, but does not completely prevent their ability to telegraph through USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayment. Growth of existing cracks or formation of new cracks in the concrete subfloor can lead to cracks telegraphing through USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayment. Respect existing expansion and control joints (see *Limitations* #5, pg. 2).

During the entire installation process, the building must be enclosed and the temperature maintained at a 50 °F minimum until permanent heating is available. Adequate ventilation must be provided to ensure uniform drying of the installed floor underlayment, which typically occurs within 15 hours at a maximum thickness of 1 in. Protect floors from heavy trade traffic loads (i.e. loaded drywall carts, heavy tool cabinets, etc.) with plywood. This may cause the protected areas to take longer to dry. Check for dryness in these areas before installing floor covering, stain and/or coating.

Concrete subfloors receiving cementitious underlayment systems must be cured properly (generally for a minimum of 28 days) prior to the underlayment installation. For on- or above-grade applications on concrete subfloors or concrete planks, measure the Moisture Vapor Emission Rate (MVER) using ASTM F1869. MVER should be below 5 lbs./1000 sq. ft./24 hrs. Contact USG for further information. Concrete subfloors should be treated properly with USG Levelrock™ Acrylic Concrete Primer, according to USG recommendations. Refer to *USG Levelrock Floor Underlayment Finished Floor Installation Guidelines* (IG1457) for floor-covering installation.

To minimize the effect of expansion and cracking on outside corners, use USG Levelrock™ Perimeter Isolation Strip. See *USG Levelrock Brand Perimeter Isolation Strip Submittal* (IG1874) for further details.

USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayments can be used as wear surfaces with a tested decorative coating system. Stains should be tested in an inconspicuous area. USG is not responsible for the uniformity of stain color. Coating systems must be tested for adhesion to USG Durock™ Quik-Top self-leveling underlayments. The bond test and performance of other coatings is the responsibility of the coating manufacturer. Contact USG for further information regarding decorative coating options.

For further details on installation requirements, specifications and the most up-to-date product information, please see usg.com or pourlevelrock.com.

PRODUCT DATA

USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayments are sanded at the factory. Job site addition of sand is not recommended and will void the warranty. USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayments are mixed with water to yield a lightweight, leveling slurry. A 1/2 in.-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): 7,000-10,000 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; inconsistent proportioning of field applied water and USG Durock™ Quik-Top White and Quik-Top Gray self-leveling underlayments, as well as differences in mixing/pumping equipment.

SUBMITTAL APPROVALS

Job Name	
Contractor	Date

PRODUCT INFORMATION

See usg.com or pourlevelrock.com for the most up-to-date product information.

DANGER

Causes skin irritation. Causes serious eye damage. May cause an allergic skin reaction. May cause cancer by inhalation of respirable crystalline silica. Do not handle until all safety precautions have been read and understood. Avoid breathing dust. Use only in a well-ventilated area, wear a NIOSH/MSHA-approved respirator. Wear protective gloves/protective clothing/eye protection. If swallowed, inhaled, or skin irritation occurs get medical attention. If on skin: Wash with plenty of water. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses and continue rinsing. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Dispose of in accordance with local, state, and federal regulations. For more information call Product Safety: 800-507-8899 or see the SDS at usg.com.

KEEP OUT OF REACH OF CHILDREN.

TRADEMARKS

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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 SDS and literature before specification and installation.

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IG1706/rev. 6-15
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