



USG DUROCK™ BRAND QUIK-TOP™ SELF-LEVELING UNDERLAYMENT

An innovative premium poured underlayment product with self-drying technology

- UL Classified and specified for use in 130+ assemblies
- No mechanical preparation required for most applications
- Minimizes downtime with quick set times and high production rates
- Apply floor covering in as little as 15 hours after underlayment application
- Compressive strength from 7,000 psi to 10,000 psi (48.2 to 68.9 MPa) with self-sealing technology¹
- Can be stained or used as a finished floor with an approved coating system
- GREENGUARD Gold Certification; qualifies as a low VOC emitting material (meets CA 01350)

DESCRIPTION

USG Durock™ Brand Quik-Top™ Self-Leveling Underlayment is a pre-sanded cementitious underlayment designed to provide a smooth, hard underlayment surface over a variety of subfloor types and may be applied at featheredge to 3 in. (76 mm) thick.

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 in as little as 15 hours after the underlayment is poured for most applications. USG Durock™ Quik-Top Self-Leveling Underlayment offers self-sealing technology which may eliminate the need for priming the underlayment surface prior to the application of floor coverings.¹

USG Durock™ Quik-Top Self-Leveling Underlayment is suitable for a variety of floor coverings. It exceeds commercial resilient floor-covering requirements for underlayments with compressive strengths between 7,000 to 10,000 psi (48.2 to 68.9 MPa). The exceptional surface hardness of USG Durock™ Quik-Top Self-Leveling Underlayment resists indentation. Higher compressive strengths minimize floor damage from other trades and minimize the need for repair patching.

USG Durock™ Quik-Top Self-Leveling Underlayment is available in two colors, White and Gray.

Note:

1. Floor 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.

INTENDED FOR

- Light-commercial, commercial, residential, hotel/motel and rehab construction
- Concrete slabs, pre-stressed concrete, concrete planks, concrete repair/leveling, existing gypsum, radiant heat systems, USG Structural Panels, and OSB and plywood
- UL fire-rated assemblies with UL Designation Type HSLRK
- Use with a variety of floor coverings, including vinyl, carpet, hardwood, and natural and man-made stone
- Use as a wear surface with an appropriate coating

INSTALLATION

For installation guidelines, refer to *USG Durock™ Quik-Top™ Self-Leveling Underlayment Installation Guide* (CB334063) at usg.com.

PRODUCT DATA

USG Durock™ Quik-Top Self-Leveling Underlayment is a pre-sanded product. Jobsite addition of sand is not recommended and will void the warranty. USG Durock™ Quik-Top Self-Leveling Underlayment is mixed with water to yield a self-leveling slurry.

Approximate Compressive Strength ASTM C109 (modified): 7,000 to 10,000 psi² (48.2 to 68.9 MPa)

Approximate Dry Density: 124–130 lbs./cu. ft.² (1986–2082 kg/m³)

Mixing Ratio:

USG Durock™ Quik-Top White: 4.5–5.0 quarts (4.3–4.7 liters) of water per 50 lb. (22.7 kg) bag

USG Durock™ Quik-Top Gray: 5.0–5.5 quarts (4.7–5.2 liters) of water per 50 lb. (22.7 kg) bag

Approximate Coverage: 22 sq. ft. (2.0 m²) per bag at 1/4 in. (6 mm) thickness

Approximate Flow Time: 25 minutes

Approximate Final Set ASTM C191: 60–90 minutes²

Approximate Light Foot Traffic: 3–4 hours

Approximate Time to Flooring: 15 hours (24 hours for wood)

Approximate Flexural Strength ASTM C348: minimum 1,000 psi² (6.9 MPa)

Thickness Range:

Concrete: Featheredge to 3 in. (76 mm)

Wood³: 1/2 in. (13 mm) – 3 in. (76 mm)

USG Structo-Crete® Structural Panels: 1/2 in. (13 mm) – 3 in. (76 mm)

Surface pH Range ASTM F710: 11

Packaging: 50 lb. (22.7 kg) multiwall paper bags

Shelf Life: 12 months from manufactured date when in original unopened packaging

Notes:

1. ASTM C109 modified refers to air drying as opposed to damp curing.
2. Results 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 Self-Leveling Underlayment, as well as differences in mixing/pumping equipment.
3. Wire lath is required for depths between 1/2 in. (13 mm) and 3/4 in. (19 mm).

UL DESIGNATION TYPE HSLRK

G230, G516, G524, G535, G551*, G553*, G556, G559, G561, G562, G564*, G566, G587, G588, G591, G592, H502, J917, J919, J920, J924, J927, J931, J957, J958, J991, J994, L006, L201, 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, L521, L522, L523, L524, L525, L526, L527, L528, L529, L530, L533, L534, L535, L536, L537, L538, L539, L540, L541, L542, L543, L545, L546, L547, L549, L550, L551, L552, L556, L557, L558, L559, L560, L562, L563, L564, L565, L568, L569, L570, L573, L574, L577, L579, L581, L583, L585, L587, L588, L589, L590, L592, L593, M500, M501, M502, M503, M504, M505, M506, M508, M510, M511, M513, M515, M517*, M521*, M522*, M525, M527, M530, M531, M532, M534, M535, M536, M538, M541.

For the most up-to-date UL Designation Type HSLRK, contact your USG representative.

Note: *UL Design requires greater minimum pour depths and compressive strengths and/or additional requirements. See individual UL Designs for specifics.

Type HSLRK is UL/ULC Classified as a non-combustible material in accordance with ASTM E136 and CAN/ULC-S114.

STORAGE

USG Durock™ Quik-Top Self-Leveling Underlayment should be stored in an enclosed shelter providing protection from damage and exposure from the elements. During winter, dry mix material should be stored in a heated room before application, as deeply cooled material may increase the risk that some additives may not dissolve during mixing. If temperature is too high, premature setting may occur. Remove damaged or deteriorated materials from the job site.

EXTENDED WARRANTY

An extended warranty may apply when using USG Durock™ Quik-Top Self-Leveling Underlayment in a system application. Please contact USG for further details.

NOTES/LIMITATIONS

1. Do not use in exterior applications.
2. USG Durock™ Quik-Top Self-Leveling Underlayment can be used as a wear surface with a tested decorative, protective coating system. Coating systems must be tested for adhesion to USG Durock™ Quik- Top Self-Leveling Underlayment. The bond test and performance of coatings are the responsibility of the coating manufacturer. Contact USG for further information regarding decorative coating options.
3. Do not install where continuous exposure to moisture is a possibility.
4. Do not install over dimensionally unstable, improperly prepared, weak subfloors.
5. USG Durock™ Quik-Top Self-Leveling Underlayment is not a structural component and will not resist movement in the building. Structural movement resulting in stress to the self-leveling underlayment will cause cracking to occur.
6. Do not install over concrete subfloor less than 28 days old. For untreated (without an approved moisture mitigation system) concrete subfloors less than 28 days old, contact USG.
7. For below-grade applications, contact USG.
8. Contact USG for use over sound mats.
9. 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 services of a professional structural engineer to provide such joints as part of the system in accordance with engineering requirements and industry standards.
10. Existing cracks in the new and old concrete must be repaired with an appropriate crack-repair material in accordance with industry recommendations prior to installation of the underlayment. 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 Self-Leveling Underlayment. Growth of existing cracks or formation of new cracks in the concrete subfloor can lead to cracks telegraphing through the poured underlayment.
11. When the MVER exceeds 5 lbs./1,000 sq. ft. (2.3 kg/92.9 m²) per 24 hours or an RH greater than 80% per ASTM F2170, treat the concrete subfloor with an approved moisture vapor reducer. USG Durock™ Quik-Top Self-Leveling Underlayment is not a vapor or moisture barrier. Transmission of excessive water vapor or moisture from the concrete subfloor through the USG Durock™ Quik-Top Self-Leveling Underlayment can interfere with floor coverings and/or floor-covering adhesives, thus compromising their performance. Moisture mitigation system may not be needed if a vapor retarder is installed below the concrete slab in accordance to industry specifications and practice (ASTM E1745, ASTM E1993, ASTM E1693) and the MVER value of the concrete slab is below 5 lbs./1,000 sq. ft. (2.3 kg/92.9 m²) per 24 hours or has an RH less than 80% per ASTM F2170.
12. Do not use acid etching as a method of cleaning and preparing the concrete subfloor.
13. Do not use oil-based sweeping compounds to clean and prepare the concrete subfloor. Use of such sweeping compounds leaves an oil film on the surface of the concrete that will interfere with the underlayment's bond development. Use a HEPA filtration industrial vacuum to remove the dust and debris and prepare the subfloor for USG Durock™ Quik-Top Self-Leveling Underlayment application.
14. Do not use adhesive-removing chemicals or solvents to eliminate contaminants from the concrete subfloor. Use of such chemicals can transport oil, grease and other contaminants further into the concrete pores. These chemicals can be released back to the surface at a later time to interfere with the floor-covering adhesives, thus compromising the bond performance with USG Durock™ Quik-Top Self-Leveling Underlayment. Mechanically removing the organic adhesives, asphalt, coal-tar-based adhesives and other oil-based contaminants is the sole recommended method of preparing the subfloor for application of USG Durock™ Quik-Top Self-Leveling Underlayment.
15. Contact USG for applications of USG Durock™ Quik-Top Self-Leveling Underlayment over asbestos tiles. Do not mechanically remove organic adhesives, asphalt, coal-tar-based adhesives or other materials containing asbestos.
16. Do not overwater or over mix.
17. Do not add any chemical additives or polymers to USG Durock™ Quik-Top Self-Leveling Underlayment.
18. Do not use wet curing or curing compounds.
19. Do not mix with other cementitious products or other self-leveling materials.
20. Do not apply USG Durock™ Quik-Top Self-Leveling Underlayment over wood subfloor without metal lath at less than 3/4 in. thickness. Differential or excessive movement of the wood subfloor may lead to development of cracks in USG Durock™ Quik-Top Self-Leveling Underlayment at the wood subfloor joints and adjacent areas.

NOTES/LIMITATIONS CONT.

PRODUCT INFORMATION

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

GREENGUARD INFORMATION

GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit ul.com/gg.

EPD INFORMATION

For Environmental Product Declarations, visit usg.ecomedes.com

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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NOTE

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NOTICE

We shall not be liable for consequential, incidental or special 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 the replacement of defective goods or a refund of the purchase price, at USG's option, and does not include costs of labor, floor-covering materials, or any other costs associated with material replacement. 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. For all applicable warranty information, please refer to USG Durock™ Brand Floor Preparation Products Two-Year Limited Warranty (CB747) located at usg.com.

SAFETY FIRST!

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



21. Structure shall be designed so 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.
22. Existing gypsum underlayments must be solid with no cracks and dust free. Gypsum underlayment must be sealed with USG Durock™ Primer-Sealer or Fusion Primer. First test surface hardness by scratching existing underlayment with a coin. If surface can be gouged, please see *USG Rehabilitation Guidelines for Damaged Gypsum Underlayments (CB822)* for alternative repair methods.
23. For thicknesses greater than 1 in. (25 mm), contact USG for special application instructions.
24. Adhere to the Radiant Panel Association (RPA) Guidelines for Hydronic Radiant Floor Heating regarding temperature and fluid temperatures. Fluid temperatures of radiant systems shall not exceed 140 °F (60 °C) at the exit of the heating device. To limit risk, floor temperatures shall not exceed 100 °F (38 °C) in general and shall be limited to 85 °F (29 °C) in areas of direct contact by building occupants. To minimize any potential of shocking the USG Durock™ Quik-Top Self-Leveling Underlayment, the radiant heat system should be ramped up slowly over several days until the underlayment is fully dry. Startup of radiant systems shall be in accordance with manufacturers' and RPA-recommended startup procedures.

SUBMITTAL APPROVALS

Job Name	
Contractor	Date

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800 (874-4968)
usg.com

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