



USG DUROCK™ BRAND MULTI-USE PRO Series SELF-LEVELING UNDERLAYMENTS

Versatile, superior poured underlayments for multiple applications

- Unsanded formulation
- UL Classified and specified for use in 130+ fire-rated assemblies
- Fast application and fast setting allows for return of light traffic within hours
- No mechanical preparation required for most applications
- Meets resilient floor industry specifications for underlayment under commercial goods (ASTM F710)
- GREENGUARD Gold Certification; qualifies as a low VOC emitting material (meets CA 01350)

USG Durock™ Multi-Use Pro FR Self-Leveling Underlayment

- Provides improved impact resistance
- Enhances crack reduction and reduces further propagation
- Cost-effective reinforcement solution with improved load distribution

DESCRIPTION

USG Durock™ Brand Multi-Use Pro Series Self-Leveling Underlayments (USG Durock™ Multi-Use Pro and Pro FR) are cementitious floor underlayments designed by USG for interior use in commercial, multi-family and rehab construction. They provide a smooth, hard underlayment surface at thicknesses from 3/8 in. (10 mm) to 3 in. (76 mm). Suitable for a variety of floor coverings, USG Durock™ Multi-Use Pro Series Self-Leveling Underlayments exceed commercial vinyl floor-covering requirements as a high-performance underlayment. Properly prepared slabs typically yield compressive strengths ranging from 3500-4500 psi (24.1-31 MPa).

Quick set times and high production rates allow for light trade traffic within hours of installation. The exceptional surface hardness of USG Durock™ Multi-Use Pro Series Self-Leveling Underlayments resist indentation from trade traffic. USG Multi-Use Pro FR Self-Leveling Underlayment is reinforced with fibers that improve impact strength. It is a cost-effective solution for interior use in new and renovation construction in residential and commercial applications.

USG Durock™ Multi-Use Pro Self-Leveling Underlayment is mixed with approved sand and potable water at the job site. A 3/4 in. (19 mm) thick underlayment weighs approximately 7.5 lbs./sq. ft. (36.6 kg/m²) and has an approximate dry density range of 118-124 lbs./cu. ft. (1890-1986 kg/m³).

INTENDED FOR

- Light-commercial, single-family, multi-family, hospitality and institutional building types
- Concrete slabs, pre-stressed concrete, concrete planks, OSB and plywood substrates
- Concrete repair/leveling and gypsum repair
- Radiant heat systems
- Use with a variety of floor coverings, including vinyl, carpet, hardwood, and natural and man-made stone
- UL fire-rated assemblies with UL Designation Type HSLRK

NOTES/LIMITATIONS

1. Do not use in exterior applications.
2. Do not use as a wear surface.
3. Do not install where continuous exposure to moisture is a possibility.
4. Do not install over dimensionally unstable, improperly prepared, weak subfloors.
5. 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.
6. For below-grade applications, contact USG.
7. Contact USG for use over sound mats.
8. 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.
9. 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™ Multi-Use Pro Series Self-Leveling Underlayments. Growth of existing cracks or formation of new cracks in the concrete subfloor can lead to cracks telegraphing through the poured underlayment.
10. When the MVER exceeds 5 lbs. (2.3 kg)/1,000 sq. ft. (92.9 m²)/24 hours or an RH greater than 80% per ASTM F2170, treat the concrete subfloor with an approved moisture vapor reducer. USG Durock™ Multi-Use Pro Series Self-Leveling Underlayments are not a vapor or moisture barrier. Transmission of excessive water vapor or moisture from the concrete subfloor through the USG Durock™ Multi-Use Pro Series Self-Leveling Underlayments 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. (2.3 kg)/1,000 sq. ft. (92.9 m²)/24 hours or has an RH less than 80% per ASTM F2170.
11. Do not use acid etching as a method of cleaning and preparing the concrete subfloor.
12. Do not use sweeping compounds to clean and prepare the concrete subfloor. Use of such sweeping compounds leaves a 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™ Multi-Use Pro Series Self-Leveling Underlayment application.
13. The use of adhesive-removing chemicals or solvents to eliminate contaminants from the concrete subfloor can transport oil, grease and other contaminants further into the concrete pores. These chemicals can leech back to the surface over time thus compromising the bond performance of flooring adhesives to USG Durock™ Multi-Use Pro Series Self-Leveling Underlayments. Use mechanical removal methods such as shot blasting, scarifying or diamond grinding to clean and prepare the concrete subfloor contaminated with adhesives, asphalt or oil.
14. Contact USG for applications over asbestos tiles. Do not mechanically remove organic adhesives, asphalt, coal-tar-based adhesives or other materials containing asbestos.
15. Do not overwater or over mix.
16. Do not add any chemical additives or polymers to USG Durock™ Multi-Use Pro Series Self-Leveling Underlayments.
17. Do not use wet curing or curing compounds.
18. Do not mix with other cementitious products or self-leveling materials.
19. 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.

NOTES/LIMITATIONS CONT.

20. Existing gypsum underlayments must be solid 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) at usg.com for alternative repair methods.
21. For thicknesses greater than 1 in. (25 mm), contact USG for special application instructions.
22. 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™ Multi-Use Pro Series 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.
23. For wood subfloors, install only on tongue-and-groove edge plywood or OSB, or square-edge wood subfloor with back-bracing.

PRODUCT DATA

Approximate Compressive Strength (aggregated) ASTM C472 (modified):

3500-4500 psi (24.1-31 MPa)¹

Approximate Dry Density: 118-124 lbs./cu. ft. (1890-1986 kg/m³)¹

Mixing Ratio: Add 3.5 to 4.0 gallons (13.25 to 15.1 L) of water to 80-100 lbs. (36-45 kg) of approved sand² per 80 lb. (36 kg) bag

Approximate Coverage:

22-25 sq. ft. (2.0-2.3 m²) per batch at 3/4 in. (19 mm) thickness

44-50 sq. ft. (4.0-4.6 m²) per batch at 3/8 in. (10 mm) thickness

Approximate Flow Time: 15-20 minutes at 70 °F (21 °C)

Approximate Final Set ASTM C191: 60-90 minutes¹

Approximate Walkable (light foot traffic): 2 hours (after set)

Thickness Range—Over Wood Subfloor without Wire Lath: 3/4 in. - 3 in. (19-76 mm)

Thickness Range—Over Wood with Wire Lath: 1/2 in. - 3 in. (13-76 mm)

Thickness Range—Over Concrete Subfloor: 3/8 in. - 3 in. (10-76 mm)

Packaging: 80 lb. (36 kg) multi-wall paper bags

Notes

1. Results 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 USG Durock™ Brand Multi-Use Pro Series Self-Leveling Underlayments, as well as differences in mixing/pumping equipment.
2. See *Mixing* instructions for sand type recommendations.

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™ Multi-Use Pro Series Self-Leveling Underlayments should be stored in an enclosed shelter providing protection from damage and exposure from the elements at a temperature of 50-90 °F (10-32 °C). During winter, dry mix material should be stored in a heated room before application. Remove damaged or deteriorated materials from the job site. USG Durock™ Multi-Use Pro Series Self-Leveling Underlayments have a shelf life of 12 months from the manufactured date.

EXTENDED WARRANTY

An extended warranty may apply when using USG Durock™ Multi-Use Pro Series Self-Leveling Underlayments in a system application. Please contact USG for further details.

SUBMITTAL APPROVALS

Job Name	
Contractor	Date

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.

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: 1-800-507-8899 or see the SDS at usg.com
KEEP OUT OF REACH OF CHILDREN.

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



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