



USG DUROCK™ BRAND PWT™ PRO SELF-LEVELING TOPPING

Specialty formulated self-leveling, polishable wear topping

- Fast application, fast-setting; allows for return of light trade traffic within hours
- Hybrid cementitious formula can be used as a topping with wear surface qualities equal to concrete
- Ideal for pre-cast concrete or concrete applications
- Can be stained to create unique aesthetic designs
- GREENGUARD Gold Certification; qualifies as a low VOC emitting material (meets CA 01350)

DESCRIPTION

USG Durock™ PWT™ Pro Self-Leveling Topping is a proprietary high-quality cementitious flooring product for interior use in new and renovation construction in residential and commercial applications. USG Durock™ PWT Pro Self-Leveling Topping offers a compressive range of 5,000-7,000 psi (34.5-48.2 MPa) and is designed to be polished as a wear surface. USG Durock™ PWT Pro Self-Leveling Topping is specially formulated to suspend larger sand aggregates. When polished, the topping exposes the aggregate offering unique dimension and color variation.

USG Durock™ PWT Pro Self-Leveling Topping is mixed with sand and water at the job site to yield a lightweight topping product with a smooth and monolithic surface. A 3/4-in. (19 mm) thick topping weighs approximately 8 lbs./sq. ft. and has an approximate dry density range of 130-135 lbs./cu. ft. (2082-2162 kg/m³).

INTENDED FOR

- **Building types:** Commercial, light commercial, residential, hospitality and institutional
- **Subfloor type:** Concrete slabs, pre-stressed concrete, concrete planks, concrete repair/leveling
- **UL Designation:** Type HSLRK
- Use as a wear surface with decorative protective coating system

NOTES/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. Contact USG for on-grade application recommendations.
4. Do not use over expansion or isolation joints. Continue all movement joints in the concrete slab up through the layer of topping. 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.
5. 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 topping. Note that repair of existing cracks in the concrete subfloor only subdues but does not completely prevent their ability to telegraph through USG Durock™ PWT Pro Self-Leveling Topping. Growth of existing cracks or formation of new cracks in the concrete subfloor can lead to cracks telegraphing through the poured topping.
6. 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 USG Durock™ RH-100 Moisture Vapor Reducer. USG Durock™ PWT Pro Self-Leveling Topping is not a vapor or moisture barrier. Transmission of excessive water vapor or moisture from the concrete subfloor through the USG Durock™ PWT Pro Self-Leveling Topping can interfere with floor-covering adhesives and compromise their performance. For on-grade applications, use USG Durock™ RH-100 Moisture Vapor Reducer over concrete. 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.

NOTES/LIMITATIONS CONT.

7. 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.
8. Sand and decorative aggregates, including terrazzo, should be approved by USG prior to use.
9. To provide a washable and stain resistant floor surface, apply an appropriate protective coating system.

PRODUCT DATA

	USG Durock™ PWT Pro Self-Leveling Topping
Mixing Ratio	3.5 to 4.0 gallons (13.25 to 15.1 liters) of water per 80 lb. (36.3 kg) bag
Approximate Coverage Rate	53 sq. ft. (4.9 m ²) per bag at 3/8 in. (10 mm) thickness 40 sq. ft. (3.7 m ²) per bag at 1/2 in. (13 mm) thickness
Approximate Final Set ASTM C191	60-90 minutes ¹
Approximate Walkable (light foot traffic)	2-3 hours
Thickness Range	3/8 in. - 3 in. (10 mm - 76 mm)
Packaging	80 lb. (36.3 kg) multiwall paper bags
Approximate Compressive Strength (aggregated) ASTM C472 (modified)	5,000-7,000 psi (34.5-48.3 MPa) ¹
Approximate Dry Density (aggregated)	130-135 lbs./cu. ft. (2082-2162 kg/m ³)

Note

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™ PWT Pro Self-Leveling Topping, as well as differences in mixing/pumping equipment.

UL DESIGNATION TYPE HSLRK

G524, G230, G516, G535, G551*, G553*, G556, G561, G562, G564*, G566, G587, G588, G591, 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, L532, L533, L534, L535, L536, L537, L538, L539, L540, L541, L542, L543, L545, L546, L547, L549, L550, L551, L552, L556, L557, L558, L559, L562, L563, L564, L565, L568, L569, L570, L571, 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*.

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.

STORAGE

USG Durock™ PWT Pro Self-Leveling Topping 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™ PWT Pro Self-Leveling Topping has a shelf life of 12 months from the manufactured date.

EXTENDED WARRANTY

An extended warranty may apply when using USG Durock™ PWT Pro Self-Leveling Topping 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. Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection. Use only in a well-ventilated area, wear a NIOSH/MSHA-approved respirator. If exposed, 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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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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