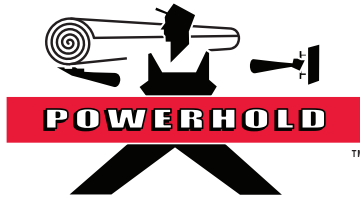


# Powerhold™ Self-Leveling Underlayment



## LP-4K

### Versatile, superior poured underlayment for multiple applications

- Fast application, fast setting allows for return of light traffic within hours
- No shot blasting required for most applications
- Ideal for wood frame, renovation and light commercial construction
- Ideal topping for radiant heat installations
- Meets resilient floor industry specifications for underlayment for commercial goods
- Exceptionally smooth: crack-resistant surface
- Helps maximize sound isolation between floors/units

### Description

Powerhold™ LP-4K Self-Leveling Underlayment is a high quality, pre-sanded versatile cementitious floor underlayment for interior use in light-commercial and renovation construction. It can be easily applied over wood and concrete subfloors at a thickness of up to 3 inches. Its high compressive strength at low thicknesses provides superior underlayment performance for higher-traffic areas. Powerhold LP-4K Self-Leveling Underlayment provides an extremely smooth surface, making it the ideal substrate for a variety of floor coverings, ranging from vinyl to wood to tile. High production rates, lightweight with high compressive strength, and exceptional sound and fire resistance make Powerhold LP-4K Self-Leveling Underlayment an ideal underlayment alternative.

### VOC Emissions

Powerhold™ LP-4K self-leveling underlayment is defined as a “Low Emitting” material per California Department of Public Health CDPH/EHLB/Standard Method Version 1.1, 2010 (CA Section 01350) for school classroom, single-family residence, and private-office modeling scenarios, and meets USGBC’s LEED® v4 emission requirements.

### Exclusive 10-Year Limited System Warranty

A 10-year limited system warranty applies when using Powerhold™ LP-4K self-leveling underlayment sealed with USG Durock™ X2 primer-sealer and an XL Brands® manufactured adhesive. Please refer to Powerhold publication *Powerhold™/XL Brands Floor System* (CB722) at [powerhold.com](http://powerhold.com).

### Installation Subfloor Preparation

All subfloors must be structurally sound, stable and solid. If there is any question about the structural soundness of the subfloor, consult with the engineer on the project or request the services of a professional structural engineer. Shot blasting is not required for most applications.

Subfloors must be clean and free of dirt, tar, wax, oil, grease, latex compounds, sealers, curing compounds, release agents, asphalt, water-soluble adhesives, paint, chemicals, loose old cementitious products, joint compounds from drywall installation or any other contaminant which might prevent proper bonding of underlayment to concrete. Seal off floor drains before starting to pour underlayment to prevent drain pipes from clogging.

A weak or degraded concrete surface layer must be removed mechanically to provide a solid base. To decide whether mechanical preparation of substrate is required or not, the concrete substrate must be thoroughly assessed for its quality over the entire pour area. Simple visual appearance of concrete substrate as strong and solid does not necessarily guarantee that the concrete substrate is free of impurities and has the right tensile strength.

Concrete exhibiting signs of laitance (a layer of weak material on the concrete surface either visible or invisible), scaling, spalling, crumbling or delamination must be mechanically removed to achieve a solid and clean substrate. Prior to installation of the underlayment, remove weak or degraded concrete (as described above) with hammer, chisel or other simple means. It is not required to mechanically profile the concrete subfloor with methods such as shot blasting, scarifying or diamond grinding.

Concrete subfloors receiving cementitious underlayment systems must be cured properly (generally for a minimum of 28 days) prior to underlayment installation. Subfloor moisture vapor emission rate (MVER) exceeding 5 lbs./1000 sq. ft./24 hours per ASTM F1869 must be treated with an appropriate moisture mitigation system that either limits the flooring systems' moisture vapor exposure to acceptable levels, or completely stops the vapor transmission through the top of the subfloor. Powerhold LP-4K Self-Leveling Underlayment is not a vapor barrier. Transmission of excessive moisture vapors from the concrete subfloor through Powerhold LP-4K Self-Leveling Underlayment can interfere with floor-covering adhesives and compromise their performance. Apply an industry recognized moisture mitigation system, such as USG Durock™ Brand RH-100™ Moisture Vapor Reducer, per manufacturer recommendations to achieve an MVER value of 5 lbs./1000 sq. ft./24 hours or less. Ensure compatibility of the moisture mitigation system with the Powerhold LP-4K Self-Leveling Underlayment by a test application in small areas. If sand broadcasting is not required during the installation of the moisture mitigation system, the surface must be primed with Powerhold 900P primer prior to application of Powerhold self-leveling underlayments. Contact Powerhold Technical Services at 844.USG.FCDA (844.874.3232) for further information regarding suitable moisture mitigation products and systems for use with Powerhold LP-4K Self-Leveling Underlayment.

Use perimeter isolation strips, typically a thin band of lightweight foam material, to minimize the effect of gypsum expansion and cracking on outside corners and to assist in minimizing sound transmissions between the floor and the wall.

Fill deep areas and holes prior to final application. Contact Powerhold Technical Services for further information.

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 Powerhold LP-4K Self-Leveling Underlayment. Repair all existing cracks in old and new concrete to minimize and control their ability to telegraph through the layer of Powerhold LP-4K 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 manufacturer 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 Powerhold LP-4K Self-Leveling Underlayment. Growth of existing cracks or formation of new cracks in the concrete subfloor can lead to cracks telegraphing through Powerhold LP-4K Self-Leveling Underlayment. Respect existing expansion and control joints (see *Notes/Limitations* #7, pg. 5).

Powerhold LP-4K Self-Leveling Underlayment can be applied with metal lath over engineer-approved, APA-Rated exterior glue plywood or oriented strand board (OSB) (i.e., APA-Rated Exterior or Exposure 1 panels) wood subfloors following the Tile Council of North America's F185-14 specification at a minimum 1/2 in. depth. Subfloor must be properly prepared and primed with Powerhold™ 900P Primer. Powerhold LP-4K Self-Leveling Underlayment can be applied over wood subfloors without lath when poured to a minimum thickness of 3/4 in. depth. See *Notes/Limitations*, pg. 6, #19 for subfloor deflections.

For the application of Powerhold LP-4K Self-Leveling Underlayment over existing floor coverings on concrete subfloors such as ceramic tile, vinyl composition tile (VCT), cement terrazzo and thin cutback adhesive, the surface needs to be well bonded, sound, and clean.

Tiles that exhibit a bubbled surface or that are de-bonding from the substrate are not suitable surfaces for receiving pre-sanded floor underlayments. These floor-covering surfaces need to be removed and the substrate

inspected for potential water damage. If water damage is detected, the source of the moisture needs to be identified and addressed. These areas should be checked for MVER (Moisture Vapor Emission Rate) using the ASTM F1869-11 test method (see above). Depending on the MVER ratings, the subfloor may need to be treated with one of the previously mentioned moisture mitigation systems.

Contact Powerhold Technical Services for applications over vinyl asbestos tile (VAT).

Powerhold LP-4K Self-Leveling Underlayment can be installed over non-water-soluble adhesives on concrete only. The adhesive residue must first be tested to make certain it is non-water-soluble. Any water-soluble adhesive residues must be mechanically removed down to clean concrete. Non-water-soluble adhesive residues should be prepared to a thin, well-bonded residue using the "wet-scraping" technique as recommended by the Resilient Floor Covering Institute (rfci.com) to remove thick areas and adhesive build-up, as well as any areas that are weak or not well bonded to the concrete. Any existing patches below the adhesive must be completely removed. For radiant heat applications, Powerhold LP-4K Self-Leveling Underlayment should be applied at a minimum thickness of 3/4 in. over the top of the electrical cables or hydronic tubes. Hydronic tubes are typically 3/4 in. thick (o.d.) resulting in a total Powerhold LP-4K Self-Leveling Underlayment thickness of 1-1/2 in. (as measured from the subfloor to the top of the Powerhold LP-4K Self-Leveling Underlayment); electrical cable systems are typically 1/8 in. to 1/4 in. thick resulting in a total underlayment thickness of 7/8 in. to 1 in. thickness (as measured from the subfloor to the top of the Powerhold LP-4K Self-Leveling Underlayment). At 1-1/2 in. the dry time for Powerhold LP-4K Self-Leveling Underlayment will be 10-14 days depending on environmental conditions. After 48 hours, the radiant heat system may be turned on at low temperature to help accelerate the drying process. However, good ventilation remains critical to speed the drying process.

Powerhold LP-4K Self-Leveling Underlayment will set within 2 hours under normal conditions. Light foot traffic can occur after this time; normal trade traffic can resume the next day. After Powerhold LP-4K Self-Leveling Underlayment is firmly set (typically 2 hours after the pour), provide adequate ventilation to ensure uniform drying of the installed underlayment, which typically occurs within 5 to 10 days at 3/4 in. thickness. High ambient humidity and higher thicknesses will delay the drying process. 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 coverings.

---

**Tools**

- Mixing drum (15 gallons)
- Gage rake
- Smoother/spreader
- Studded shoes
- Measuring bucket
- Mixing drill type 2 through 7 – as outlined in the *Technical Guidelines*, prepared by the International Concrete Repair Institute, *Pictorial Atlas of Concrete Repair Material Mixing Equipment* (Guideline No. 320.5R-2014)
- Mixing paddle type 2, 3, 4, 8, or 9 – as outlined in the *Technical Guidelines*, prepared by the International Concrete Repair Institute, *Pictorial Atlas of Concrete Repair Material Mixing Equipment* (Guideline No. 320.5R-2014)
- 1 in. x 2 in. brass or plastic cylinder
- 12 in. x 12 in. x 1/4 in. Plexiglas® sheet
- Minimum 2 in. putty/drywall taping knife
- Ruler or tape measure

---

**Priming**

Use Powerhold 900P Primer, a low VOC, high-solids acrylic primer, for sealing the concrete, wood or gypsum subfloor prior to application of Powerhold LP-4K Self-Leveling Underlayment. Proper use of Powerhold 900P Primer effectively seals the subfloor and prevents formation of pinholes, domes and craters in Powerhold LP-4K Self-Leveling Underlayment due to the upward migration of air bubbles from the subfloor. Refer to *Powerhold 900P Primer* submittal (PH5) for proper installation instructions and application rates.

Floors to be primed must be dry, structurally sound and clean. Remove any dirt, tar, wax, oil, grease, latex compounds, sealers, curing compounds, release agents, asphalt, water-soluble adhesives, paint, chemicals, loose topping, joint compounds from drywall installation or any other contaminant that might interfere with development of good bond.

For primer application, the temperature of Powerhold 900P Primer, the subfloor and the room must be maintained between 50 °F and 95 °F for a period of 48 hours before, during and after application.

**Barrel Mixing**

When opening bags, use engineering controls, including local exhaust, to reduce exposure to dust. Wear NIOSH-recommended respirator if needed. It is important that the mixing water for the total number of bags to be mixed is in the barrel prior to adding the dry material.

Determine the number of bags needed. Add 4.0 to 4.8 quarts (3.75 to 4.5 liters) of cool, clean potable water **for each bag** (50 lbs.) of Powerhold LP-4K Self-Leveling Underlayment powder to the dry mixing barrel. Next, slowly add one bag to the barrel while mixing. Mix for 30 seconds, making sure that all material is wetted out thoroughly. Slowly add the second and any additional bags to the mixing barrel while continuing to mix. Make sure the barrel sides are thoroughly scraped free of dry powder and that there is no unmixed material on the bottom of the barrel. Mix for an additional 90 seconds and ensure the material is homogeneous and lump free.

Perform a slump test on the material before application. See *Test Procedures* for instructions.

Do not add additional water until the 2 minute mixing cycle has been completed. Do not overwater the material. If additional water is required, add no more than 0.4 quarts per bag and mix for 30 seconds or until mix is homogeneous. Do not over mix (more than 3 minutes), as this may induce air into the material.

The presence of bleed water on the surface and/or material segregation (settling of sand) indicates overwatering. Adjust the amount of water added to the mix to prevent bleed water and material segregation.

**Continuous Mixer and Pump**

Contact Powerhold Technical Services for more information.

**Test Procedures Slump Test**

Set Plexiglas sheet on a level, stable surface, away from foot traffic. Ensure that the 1 in. x 2 in. cylinder is clean and dry. Place the cylinder in the middle of the Plexiglas sheet. Pour the Powerhold LP-4K slurry into the cylinder slightly overfilling it. Screed off the excess material from the top of the poured cylinder, away from the Plexiglas sheet. Lift the cylinder up smoothly to form the patty. Do not shake any excess slurry from the cylinder. Wait 1 minute and measure the patty in two directions 90° apart and calculate the average of the two measurements +/- 1/8 in. Ensure that the average patty diameter is within the 5 in. to 6-1/2 in. range.

**Application**

During application and until the Powerhold LP-4K Self-Leveling Underlayment is firmly set (typically the first 2 hours immediately following the pour), close all doors, windows and other openings in the building and turn off HVAC systems to prevent air drafts. Protect installation areas from direct sunlight exposure for at least 24 hours. Thereafter, the HVAC system can resume, as well as the use of doors, windows and other openings.

The Powerhold LP-4K product—either mixed or in powdered form, subfloor and room temperature must be between 50 °F and 95 °F at the time of application and for 72 hours after installation of Powerhold LP-4K Self-Leveling Underlayment. For temperatures above 95°F, follow the American Concrete Institute (ACI) Hot Weather Concrete Guidelines to ensure proper installation. If available water is not cool, chill water to 70°F (21°C).

When uncertain or unknown construction conditions are present on the job site, it is recommended to pour a small test area before conducting full installation. The test area must also include finish flooring to establish suitability of the complete system for intended use.

Powerhold LP-4K Self-Leveling Underlayment has a flow time of approximately 15 – 20 minutes at 70 °F. At higher temperatures the flow time is shortened; at lower temperatures the flow time is extended. Work as a team to obtain a satisfactory installation. Ensure continuous flow of slurry and promptly spread the Powerhold LP-4K Self-Leveling Underlayment to desired thickness and finish using a gage rake and a smoother. Perform these operations promptly to avoid trapping air bubbles, prevent formation of cold joints and achieve a satisfactory finish surface.

Apply the Powerhold LP-4K Self-Leveling Underlayment in an even ribbon along the short dimension of the room or area to be poured. Maintain a continuous wet edge. If pouring the Powerhold LP-4K Self-Leveling Underlayment against an edge that has been allowed to set, the edge of the previous pour should be treated with Powerhold 900P Primer.

<b>Deep Fill Application</b>	Contact Powerhold Technical Services for information.
------------------------------	---

**Floor-Covering Installation**

- Powerhold LP-4K Self-Leveling Underlayment can be walked on two hours after installation, depending on underlayment thickness and drying conditions.
- Floor coverings can be installed in five to ten days based on 3/4 in. thickness at 70 °F, 50% RH. Drying time will vary depending on underlayment thickness and ambient climate conditions.
- Check with floor-covering and adhesive manufacturers for installation guidelines and suitability of their manufactured products over Powerhold LP-4K Self-Leveling Underlayment.
- Protect the surface of Powerhold LP-4K Self-Leveling Underlayment from contaminants and water until installation of floor covering is accomplished. Different types of sealers and coatings can be used for this purpose. Powerhold 900P Primer or USG Durock™ Brand X2 Primer-Sealer are a particularly suitable sealers for this purpose as their applications enhances wear-resistance and durability of Powerhold LP-4K Self-Leveling Underlayment.
- Perform field bond test to determine adhesive/flooring performance over Powerhold LP-4K Self-Leveling Underlayment. Install floor covering with adhesive and perform field bond test approximately 72 hours after installation prior to floor covering installation.
- Follow floor-covering manufacturers' recommendations for surface sealing requirements. If the floor-covering or adhesive manufacturer requirements are more stringent, their requirements take precedence.

For further details on installation requirements, specifications and the most up-to-date product information, please see [powerhold.com](http://powerhold.com).

**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 Powerhold Technical Services.
6. For below-grade applications, contact Powerhold.
7. 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.
8. 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 Powerhold LP-4K 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.

9. When the MVER exceeds 5 lbs./1000 sq. ft./24 hours, treat the concrete subfloor with an industry recognized moisture mitigation system, such as USG Durock RH-100 Moisture Vapor Reducer, in all areas of use where potential for moisture problems may exist. Powerhold LP-4K Self-Leveling Underlayment is not a vapor or moisture barrier. Transmission of excessive water vapors or moisture from the concrete subfloor through the Powerhold LP-4K Self-Leveling Underlayment can interfere with floor-covering adhesives and compromise their performance.
10. For on-grade applications, use an industry recognized moisture mitigation system, such as 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./1000 sq.ft./24 hours.
11. Do not use acid etching as a method of cleaning and preparing the concrete subfloor.
12. 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 vacuum, compressed air or a dry broom to remove the dust and debris and prepare the subfloor for Powerhold LP-4K Self-Leveling Underlayment application.
13. 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 Powerhold LP-4K 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 Powerhold LP-4K Self-Leveling Underlayment.
14. Contact Powerhold for applications of Powerhold LP-4K Self-Leveling Underlayment 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 Powerhold LP-4K Self-Leveling Underlayment.
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 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.
20. Existing gypsum underlayments must be solid with no cracks and dust-free. Gypsum underlayment must be sealed with Powerhold 900P Primer or USG Durock™ X2 Primer-Sealer. First test surface hardness by scratching existing underlayment with a coin. If surface can be gouged, do not use Powerhold LP-4K Self-Leveling Underlayment and consult Powerhold Technical Services for alternative repair methods.
21. 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 at the exit of the heating device. To limit risk, floor temperatures shall not exceed 110 °F in general and shall be limited to 85 °F in areas of direct contact by building occupants. To minimize any potential of shocking the Powerhold LP-4K Self-Leveling Underlayment, the radiant heat system should be ramped up slowly over several days until the underlayment is fully dry. Start up of radiant systems shall be in accordance with manufacturers' and RPA recommended start-up procedures.
22. For wood subfloors, install only on tongue-and-groove edge plywood or OSB, or square-edge wood subfloor with back-bracing.

**Product Data**

Powerhold LP-4K Self-Leveling Underlayment is sanded at the factory. Job site addition of sand is not recommended and will void the warranty. Powerhold LP-4K Self-Leveling Underlayment is mixed with water to yield a self-leveling slurry.

**Approximate Compressive Strength ASTM C109 (modified):** 2000 psi<sup>2</sup> at 24 hours  
4100 psi<sup>2</sup> at 28 days

**Approximate Dry Density:** 118 – 124 lbs./cu. ft.<sup>2</sup>

**Mixing Ratio:** 4.0 – 4.8 quarts (3.75 to 4.5 liters) of water per 50 lb. bag

**Approximate Coverage:** 7 square feet per bag at 3/4 in. thickness  
14 square feet per bag at 3/8 in. thickness

**Approximate Flow Time:** 15 – 20 minutes at 70 °F

**Approximate Final Set ASTM C191:** 60 – 90 minutes<sup>2</sup>

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

**Thickness Range—Over Wood Subfloor without Wire Lath:** 3/4 in.–3 in.

**Thickness Range—Over Wood with Wire Lath:** 1/2 in.- 3 in.

**Thickness Range – Over Concrete Subfloor:** 3/8 in. – 3 in.

**Surface pH Range ASTM F710:** 11

**Packaging:** 50 lb. multiwall paper bags

**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 Powerhold LP-4K Self-Leveling Underlayment, as well as differences in mixing/pumping equipment.

**UL Designation Type LRK**

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 LRK, contact your Powerhold representative.

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

**Storage**

Powerhold LP-4K 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. Powerhold LP-4K Self-Leveling Underlayment has a shelf life of 12 months from the manufactured date.

**Submittal Approvals**

	<b>Job Name</b>	
	<b>Contractor</b>	<b>Date</b>

**Product Information**

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

**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. Product safety information: 800 507.8899 or usg.com. **KEEP OUT OF REACH OF CHILDREN.**

**Trademarks**

The trademarks USG, DUROCK, RH-100 the design elements and colors, and related marks are trademarks of USG Corporation or its affiliates. Powerhold is a trademark of the Floor Covering Distributor Alliance, Inc. XL Brands is a trademark of XL Brands, LLC. Plexiglas is a trademark of Rohm Gesellschaft & Haas Co. LEED is a registered trademark of the U.S. Green Building Council.

**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.



Manufactured for Powerhold by United States Gypsum Company  
550 West Adams Street  
Chicago, IL 60661

844 USG.FCDA (844 874.3232)  
powerhold.com

PH4/7-15  
©2015 USG Corporation and/or its affiliates.  
All rights reserved.  
Printed in U.S.A.