

# USG DUROCK™ BRAND

## X2 PRIMER-SEALER

### Commercial strength primer-sealer approved for all floor-coverings

- Proprietary polymers formula; alkali- and water-resistant
- Bond enhancing sealer designed for use over USG Levelrock® Brand and USG Durock™ Brand gypsum underlayments
- High quality primer for concrete and wood subfloors prior to USG Levelrock and USG Durock™ gypsum underlayment application and USG Durock™ Brand self-leveling underlayments
- Carpet & Rug Institute (CRI™) Green Label Plus-approved
- FloorScore® certified
- Low emission – may assist in obtaining LEED® credits
- One-coat application

### DESCRIPTION

USG Durock™ Brand X2 Primer-Sealer is an aqueous emulsion of proprietary polymers that can be used as a bond-enhancing sealer over USG Levelrock® and USG Durock™ gypsum underlayments. Alkali- and water-resistant, the ready-mix formula also protects underlayments against dusting. USG Durock™ X2 primer-sealer may also be used for priming concrete or wood subfloors prior to application of USG Levelrock and USG Durock gypsum underlayments and USG Durock self-leveling underlayments.

USG Durock™ X2 primer-sealer meets or exceeds Indoor Air Quality Standards. USG Durock™ X2 primer-sealer is approved for use in occupied spaces, healthcare facilities, food service areas and other spaces where indoor air quality may be of concern.

USG Durock™ X2 primer-sealer contains XL Brands® MicroSept™ Antimicrobial System for exceptional resistance to mold and bacteria. It is Carpet & Rug Institute (CRI) Green Label Plus approved and FloorScore certified, non-flammable and its VOC content is compliant with California SCAQMD Rule 1168. In addition, USG Durock™ X2 primer-sealer comes in an EcoPure™ treated biodegradeable pail.

### WARRANTY

A 10-year limited system warranty applies when using USG Durock™ X2 primer-sealer to seal a USG Levelrock® or USG Durock™ gypsum underlayment and a XL Brands® manufactured adhesive. When used in a non-system application, USG Durock™ X2 primer-sealer has a one-year limited warranty. Please contact USG for further details.

### 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 (in excess of 85% RH) is a possibility.
4. Do not use where hydrostatic pressure exists.
5. Do not use below-grade.
6. Do not use USG Durock™ X2 primer-sealer in combination with any other sealer or any other manufacturers' floor prep products.
7. Do not use in conjunction with polyurethane-based adhesives.
8. Users should determine the suitability of this information or product for their own particular purpose or application. Manufacturer is not responsible for the misuse of this product.
9. Do not use when the temperature of the substrate is less than 5 °F higher than the dew point.
10. Do not dilute USG Durock™ X2 primer-sealer.

## APPLICATION

USG Durock™ X2 primer-sealer is a superior bond-enhancing sealer over USG Levelrock and USG Durock™ gypsum underlayments.

USG Durock™ X2 primer-sealer may also be used for priming concrete or wood subfloors prior to application of USG Levelrock and USG Durock gypsum underlayments, as well as USG Durock self-leveling underlayments. Proper use of USG Durock™ X2 primer-sealer effectively primes the subfloor and enhances the bond.

## EQUIPMENT

- 3/8 in. nap roller

## PREPARATION

Substrates to be primed must be dry, structurally sound and clean. Remove any dirt, tar, wax, polish, oil, grease, latex compounds, sealers, curing compounds, release agents, asphalt, adhesives, paint, chemicals, loose topping, joint compounds from drywall installation or any other contaminant that might interfere with development of good bond. Do not use oil-based sweeping compounds. A field bond test must be performed prior to USG Durock™ X2 primer-sealer application.

The dew point, as it relates to interior moisture condensation, is an important factor for ensuring that proper conditions exist before and during substrate testing, preparations and floor-covering installations. The interior air temperature and Relative Humidity (RH) must be maintained between 65 °F and 95 °F and 45% to 65% RH, and the substrate temperature should be at least 5 °F higher than the dew point. Monitoring the substrate temperature, indoor temperature and RH, and utilizing fans and/or dehumidifiers as needed will help correct or prevent existing or possible dew point conditions until the installation is complete.

Apply USG Durock™ X2 primer-sealer in a one-coat application. USG Durock™ X2 primer-sealer must be roller-applied. Do not spray-apply. The actual coverage of the primer-sealer will depend upon the nature and porosity of the substrate. Dry time is estimated to be 4 hours at 70 °F and 65% relative humidity.

**NOTE** High air relative humidity and/or low substrate temperature may necessitate a longer drying time. Primer-sealer must be completely dry before application of USG Levelrock and USG Durock gypsum underlayments.

## AS A SEALER OVER USG LEVELROCK AND USG DUROCK™ GYPSUM UNDERLAYMENTS

1. Follow *Preparation* steps above.
2. All USG Levelrock and USG Durock™ gypsum underlayments must be properly installed and completely dried following USG product instructions prior to USG Durock™ X2 primer-sealer application.
3. For primer-sealer application, the temperature of USG Durock™ X2 primer-sealer, the substrate and the room must be maintained between 65 °F and 95 °F for a period of 48 hours before, during and after job completion.
4. Using a 3/8 in. nap roller, apply an even coat at a rate of 315-360 sq. ft./gal. over entire substrate surface. Always keep the roller wet with primer-sealer. Only one coat is required.
5. Allow USG Durock™ X2 primer-sealer to dry for a minimum of 4 hours, or until completely dry and hardened to the touch.

**APPLICATION CONT.**

**AS A PRIMER FOR CONCRETE SUBFLOORS**

1. Follow *Preparation* steps (pg. 2).
2. New concrete must be cured a minimum of 28 days.
3. When the MVER exceeds 5 lbs./1000 sq. ft./24 hours or 85% RH (per ASTM F2170), do not use USG Durock™ X2 primer-sealer.
4. Concrete substrates must be tested for porosity by placing approximately a quarter-size bead of water on the surface to observe absorption. If the water is not absorbed within 15 minutes, the floor should be considered non-porous. Non-porous concrete surfaces must be rendered porous by sanding or bead-blasting. For more information, contact USG.
5. For primer-sealer application, the temperature of USG Durock™ X2 primer-sealer, the subfloor and the room must be maintained between 65 °F and 95 °F for a period of 48 hours before, during and after job completion.
6. Using a 3/8 in. nap roller, apply an even coat at a rate of 315-360 sq. ft./gal. over entire subfloor surface. Always keep the roller wet with primer-sealer. Only one coat is required.
7. Allow primer-sealer to dry at least 4 hours on porous subfloors but not more than 24 hours before pouring USG Levelrock or USG Durock™ gypsum underlayments or USG Durock™ self-leveling underlayments. If 24 hours has passed, recheck the floor for contaminants (see *Preparation*).

**AS A PRIMER FOR WOOD SUBFLOORS**

1. Follow *Preparation* steps (pg. 2).
2. Use on APA-rated exterior glue plywood or oriented strand board (OSB).
3. Plywood or OSB should not contain excessive moisture.
4. Weak, rotted or damaged wood should be replaced prior to priming.
5. For primer-sealer application, the temperature of USG Durock™ X2 primer-sealer, the subfloor and the room must be maintained between 65 °F and 95 °F for a period of 48 hours before, during and after job completion.
6. Using a 3/8 in. nap roller, apply an even coat at a rate of 315-360 sq. ft./gal. over entire subfloor surface. Always keep the roller wet with primer-sealer. Only one coat is required.
7. Allow primer-sealer to dry at least 4 hours on non-porous subfloors but not more than 24 hours before pouring USG Levelrock or USG Durock™ gypsum underlayments or USG Durock™ self-leveling underlayments. If 24 hours has passed, recheck the floor for contaminants (see *Preparation*).

**STORAGE**

Store in an enclosed area that is cool, dry and well-ventilated. The temperature of the storage area must be maintained between 65 °F and 95 °F. Keep containers closed when not in use and protect from damage. Do not allow product to freeze. USG Durock™ X2 primer-sealer has a shelf life of 2 years from date of manufacture in unopened container.

**CLEANUP**

Clean tools and wet USG Durock™ X2 primer-sealer spills and drips with soapy water. Dry residues may require a solvent remover (i.e. odorless mineral spirits). When not in use, containers must be kept tightly closed.

**SUBMITTAL APPROVALS**

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

**PRODUCT INFORMATION**

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

**LEED INFORMATION**

For the most up-to-date information on LEED rating systems, project certification and the U.S. Green Building Council, please visit usgbc.org.

**WARNING:**

May cause an allergic skin reaction. Avoid breathing mist or vapor. Use only in a well-ventilated area. If engineering controls do not maintain airborne concentrations below recommended exposure limits use a NIOSH/MSHA approved air purifying respirator as needed to control exposure. Wear protective gloves/protective clothing/eye protection. If on skin: Wash with plenty of water. If skin irritation or rash occurs, or if swallowed: Get medical attention. If eye contact occurs, flush thoroughly with water for 15 minutes. 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. Keep containers closed when not in use. 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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