

Durock™ Primer-Sealer



High-quality floor underlayment primer-sealer

- For sealing porous concrete subfloors prior to application of poured underlayment
- Enhances bond between substrate and underlayment
- Low odor
- Effective in treatment of underlayment prior to application of water based floor covering adhesives
- Reduces alkalinity of concrete floor surfaces: no adverse effect on floor covering adhesive
- Mildew resistant; no staining of finished floor

Description

Concrete surfaces tend to be highly porous. Without first sealing a concrete substrate, the bond with and surface smoothness of DUROCK™ brand floor underlayments poured on top could be negatively affected. DUROCK primer-sealer is a high-solids sealant that can also be diluted with water to seal highly porous concrete, precast concrete and wood planks (often encountered in rehab projects).

DUROCK primer-sealer may also be used as a primer for DUROCK Multi-Use self-leveling underlayment to enhance the bond between the underlayment and the floor covering adhesive.

Approved Substrates

- DUROCK floor underlayments
- Concrete (new concrete must be cured at least 28 days)
- Precast concrete
- Radiant heat subfloors
- Plywood or OSB subfloor/wood plank subfloors

Equipment

- HUDSON®-type Sprayer
- Paint roller
- Push broom

Limitations

As an underlayment sealer:

1. DUROCK primer-sealer is not a wearable surface.
2. Recommendations of the floor covering and floor-covering adhesive manufacturers supercede these instructions.

Mixing

Full dilution

1. Mix by volume 1 part DUROCK primer-sealer with 4 parts potable water in a clean mixing container.
2. For best results when mixing, add DUROCK primer-sealer to the water.
3. Stir gently to achieve a homogenous state. To prevent inducement of air and subsequent bubbles, do not over stir or use a high-speed mixer.

Partial dilution

1. Mix 1 part DUROCK primer-sealer with 1 part potable water in a clean mixing container.
2. For best results when mixing, add DUROCK primer-sealer to the water.
3. Stir gently to achieve a homogenous state. To prevent inducement of air and subsequent bubbles, do not over stir or use a high-speed mixer.

Installation**As a Sealer for DuROCK Floor Underlayment**

1. It is advisable to seal DuROCK Multi-Use self-leveling underlayment prior to application of water-based adhesives. (Note: It is not necessary, nor advisable, to seal DuROCK underlayments when using high solids adhesives.) DuROCK Quick Dry self-leveling underlayment features self-sealing technology and should not be treated with any primer or sealer prior to floor covering installation.
2. Jobsite, DuROCK primer-sealer and underlayment must be maintained at minimum 50 °F (10 °C) for 48 hours before, during and after job completion. Radiant heat systems should be shut down during application and drying of primer.
3. Underlayment must be free of dirt, wax, polish, paint, excess dust or other contaminants before application of the primer.
4. Underlayment must be dry prior to application of DuROCK primer-sealer. Good air movement is critical to drying of underlayment. Check for dryness by taping down a sheet of plastic approximately 24" x 24". Tape must seal all sides of plastic. After 12 hours, a lack of condensation or no noticeable darkening of DuROCK underlayment indicates that the floor is dry. Be sure to check for dryness in corners where airflow may be restricted.
5. Apply fully diluted primer-sealer (see mixing instructions) at rate of 200 sq.ft./gal. Do not allow primer-sealer to puddle. Do not overseal the DuROCK underlayment. Only one coat application is recommended.
6. Allow DuROCK primer-sealer to dry for 1 to 3 hours before installation of floor covering products. Dry time will vary with drying conditions. Sufficiency of the application may be checked prior to application of floor covering adhesive by measuring the surface pH of the underlayment, which should not exceed 10.0.
7. Consult your USG representative when applying homogeneous materials.
8. No underlayment preparation is required when using high solids urethane adhesives for wood floor attachment. However, insuring that the underlayment is completely dry prior to wood floor attachment is especially critical.
9. Recommendations of the floor covering and floor-covering adhesive manufacturers supercede these instructions.

As a Primer for Concrete Subfloors:

1. New concrete must be cured a minimum of 28 days.
2. Jobsite and DuROCK primer-sealer must be maintained at minimum 50 °F (10 °C) for 48 hours before, during and after job completion.
3. Subfloor must be free of dirt, wax, polish, joint compound, paint, excess dust or any other contaminants before application of primer.
4. Apply fully diluted primer (see mixing instructions) at rate of 300 sq.ft./gal. Allow to dry 1 hour. DuROCK primer-sealer can initially be sprayed or rolled onto subfloor, but using a push broom to further work primer into the subfloor is strongly recommended, especially for the first coat.
5. Apply second coat, using partially diluted mixture (see mixing instructions) at rate of 300-400 sq.ft./gal. primer-sealer should show signs of puddling; if not, a third coat of partially diluted DuROCK primer-sealer is recommended.
6. Allow primer to dry at least 2 hours but not more than 18 hours before pouring DuROCK self-leveling floor underlayment.

**As a Primer for
Wood Subfloors:**

1. Plywood or OSB must meet APA Type 1 or 2 standards.
2. Plywood or OSB should not contain excessive moisture.
3. Weak, rotted or damaged wood should be replaced prior to priming.
4. Jobsite and DUROCK primer-sealer must be maintained at a minimum of 50 °F (10 °C) for 48 hours before, during and after the job.
5. Subfloor must be free of dirt, wax, polish, joint compound, paint, excess dust or any other contaminants before application of primer. The use of oil-based sweeping compounds is not recommended.
6. Apply using partially diluted mixture (see mixing instructions) at rate of 300-400 sq.ft./gal.
7. Allow primer to dry at least 2 hours but not more than 18 hours before pouring DUROCK self-leveling floor underlayment.

Product Data Storage

Although DUROCK primer-sealer has limited freeze/thaw resistance, storing outside during freezing conditions is not recommended. If DUROCK primer becomes frozen, allow it to thaw at room temperature. Stir gently before using. Do not use primer if after mixing, materials does not attain a homogeneous consistency and/or has a "cottage cheese" like appearance. Dispose of properly. Do not use a high-speed mixer. During summer months, do not store primer at temperatures above 120 °F.

Clean-up

Clean tools with water before sealer dries. For dried sealer, use mineral spirits.

Submittal Approvals:

Job Name	
Contractor	Date

Product Updates

Please refer to our website usg.com.

Trademarks

The following trademarks used herein are owned by United States Gypsum Company or a related company: DURORCK, USG, HUDSON is a registered trademark of the H.D. Hudson Manufacturing Company.

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 and industrial hygiene practices during handling and installation of all products and systems. Take necessary precautions and wear the appropriate personal protective equipment as needed. Read material safety data sheets and related literature on products before specification and/or installation.

