

# USG™ Plaster Bonder



**For bonding new plaster to any structurally sound interior surface**

- Provides enhanced and fortified adhesion to a wide variety of sound substrates.
- Compatible with a large assortment of gypsum- and cement-based plasters.
- Easily applied by brush, roller or spray to a uniform continuous film.
- Clear, or tinted to allow easy visual inspection when required.
- Film dries quickly for same day use, or may be left unplastered for up to 10 days.

**Description**

USG™ Plaster Bonder is a vinyl acetate homopolymer emulsion used to bond new plaster to any structurally sound interior surface. The product is available clear, or tinted pink to allow visual confirmation of application where desired. It is a liquid that may be applied by brush, roller or spray in a uniform coating. When dry, USG Plaster Bonder forms a film that rewets when plaster is applied to provide an integral, strong, durable bond. Compatible with gypsum plaster, cinder block, stone, gypsum drywall panels and other similar materials; should not be used around swimming pools or in exceptionally moist or humid areas. Do not apply to underside of concrete roof decks.

USG Plaster Bonder is required for applications of plaster over DUROCK® Brand Cement Board, FIBEROCK® Brand Abuse-Resistant Gypsum Fiber Panels and monolithic concrete. When applying the USG™ Decorative Interior Finish System, use only USG Plaster Bonder—Clear, since tinted (pigmented) bonder will show through the colored finish.

<b>Directions</b>	<b>Preparation</b>	Surfaces should be structurally sound, clean and free from loose material, dust, dirt, oil, grease, wax, loose paint, mildew, rust or efflorescence. Glossy painted surfaces should be dulled with an abrasive. Protect adjacent finished surfaces with masking tape, soap powder emulsion or other commercial product formulated for protective use during plastering. Air temperature should be maintained at or above 45 °F (7° C). Do not apply over water-soluble materials, such as glue, calcimine, wallpaper and casein-based adhesives. Do not apply to frozen or frost-covered surfaces.
	<b>Application—Mixing</b>	USG Plaster Bonder should be applied as is. When used over highly absorptive surfaces, such as lightweight concrete block, dilution may be required, and should be made in modest increments. Excessive dilution will reduce performance and may affect stability. Product should be hand-stirred prior to use. Excessive shaking, mechanical mixing or boxing batches should be avoided to prevent entrapping of air bubbles, which will prevent continuous film application.
	<b>Application</b>	Apply uniform film over entire surface using brush, roller or spray applicator. Allow to dry one hour or until the surface is dry to the touch. Plastering can begin as soon as Plaster Bonder is dry to the touch, or delayed for up to 10 days with no effect on bond. Before plastering, inspect bonding agent application to ensure a continuous film. Reapply USG Plaster Bonder to any areas not satisfactorily covered. Do not apply wallpaper to newly bonded plastered surface for 90 days.
	<b>Cleanup and Storage</b>	Clean mixing containers and tools with water immediately after use. Partially used containers should be closed tightly.

**Product Data**

**Coverage:** USG Plaster Bonder—Clear or USG Plaster Bonder—Pink Color will cover approximately 300 ft.<sup>2</sup> (27.8 m<sup>2</sup>)/gallon (3.78 L).

**Storage:** Store material in a cool, dry place. Avoid direct sunlight. Maintain temperature above 40 °F (4 °C).

**Shelf Life:** Up to 12 months under protected storage conditions. Rotate stock.

**Availability and Cost:** USG Plaster Bonder—Clear and USG Plaster Bonder—Pink Color are distributed throughout the United States. Contact a United States Gypsum Company sales office or sales person for additional information.

**Packaging:** USG Plaster Bonder—Clear and USG Plaster Bonder—Pink Color are available in one-gallon and five-gallon containers.

**Physical Data**

Solids Content	52.0%
pH @ 25 °C	4.5
Brookfield, LVF Viscosity @ 25 °C	600 cps
Emulsion Type	Nonionic
MFFT	+7.0 °C
Specific Gravity @25 °C (Water = 1)	1.1
Appearance (visual)	Pink (tinted) liquid dries light red; White liquid dries clear

**Test Results**

**Tensile Bond Strength**—Per ASTM C190. In all cases failure occurred in the cementitious material, not at the bond interface.

**High-Temperature Stability**—Per ASTM C631. Exposure did not affect working and bonding properties.

**Freeze-Thaw Stability**— Per ASTM C631. Five cycles freeze. Exposure did not affect working and bonding properties.

**Submittal Approvals:**

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

**Trademarks**

The following trademarks used herein are owned by United States Gypsum Company or a related company: DUROCK, FIBEROCK, USG.

**Note**

Products described here may not be available in all geographic markets. Consult your U.S. Gypsum Company sales office or representative for information.

**Notice**

We shall not be liable for incidental and consequential damages, directly or indirectly sustained, nor for any loss caused by application of these goods not in accordance with current printed instructions 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 installing 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.