Submittal Sheet
09210

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.

Directions

Preparation

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.

Application—Mixing

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.

Application

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.

Cleanup and Storage

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.^{2} (27.8 m^2)/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:

Job Name	
Contractor	**Date**

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