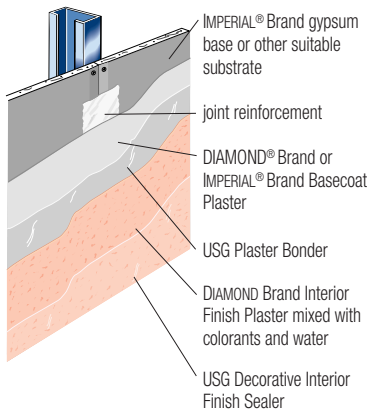


# USG™ Decorative Interior Finish System/Plaster



**For extraordinary colored and textured interior veneer plaster walls and ceilings**

- Selected color is integral to the plaster finish at low cost.
- Texture options controlled by troweling to suit customer tastes.
- Extraordinary strength and durability of veneer plasters.
- Is applied as a finish over veneer basecoat or conventional sanded basecoat plaster substrates.

**Description**

USG™ Decorative Interior Finish System beautifies interior veneer plaster basecoat surfaces with a trowel-applied finish material that is rich in both color and texture. Applicators familiar with trowel-applied materials can easily adapt to the techniques needed to apply both semi-smooth and textured finishes. The finished product enjoys the durability and abuse resistance of veneer plaster in a surface that does not require paint or additional decoration. Batch color is consistent through the entire thickness of the finish layer. Surface is UV-resistant and washable. In addition to 12 standard colors, the system has an unlimited custom pastel or earthtone color choice. Basecoated surface can be applied over gypsum base, cement board, monolithic concrete or masonry for application of the final colored decorative finish. Also, see submittal sheets in this series on application of the USG Decorative Interior Finish System over drywall (P797) and existing surfaces (P808).

<b>Advantages</b>	<b>Abuse resistant</b>	Tough gypsum plaster adds a layer of protection from abusive bumps and abrasions.
	<b>Color assured</b>	Color is thoroughly mixed into the finish, providing a through-finish color that can help minimize the appearance of minor surface defects or abrasion. High-quality colorants are used to assure color consistency and UV resistance. System identifies 12 basic colors that can be mixed using a standard tint machine and COLORTREND® 888 Universal Machine Colorants as well as the COLORTREND® AMBIANCE™ fan deck color selector and color formula book for creating any number of custom pastel and earthtone colors.
	<b>Effective bond</b>	System uses veneer basecoat plaster and USG™ Plaster Bonder to assure joint hide and bonding of the finish to gypsum, cement board or concrete substrate.
	<b>Texture options</b>	System can be applied semi-smooth or textured in a variety of ways. Finish surface appearance depends on the troweling techniques employed.
	<b>Fire protection</b>	Composed primarily of gypsum plaster, USG Decorative Interior Finish System enhances the fire protection characteristics of the plaster basecoat and gypsum, cement board or concrete assembly over which it is applied.

<b>Directions</b>	<b>Preparation</b>	<p>The USG Decorative Interior Finish System may be applied to many types of plaster substrates.</p> <p><b>Veneer Plaster</b>—Where it is to be applied to a veneer plaster system, the plaster base substrate may consist of IMPERIAL® Brand Gypsum Base, DUROCK® Brand Cement Board, FIBEROCK™ Brand Abuse-Resistant Panels, concrete masonry or monolithic concrete. Board products must be hung in accordance with specifications, joints taped with IMPERIAL® Brand Glass Fiber Mesh Tape or SHEETROCK® Brand Joint Tape (depending on application conditions), and surface coated with IMPERIAL® Brand Basecoat Plaster or DIAMOND® Brand Veneer Basecoat Plaster. DUROCK Brand Cement Board must have USG Plaster Bonder applied to joint areas before the application of joint treatment. Joint treatment must consist of SHEETROCK Brand Joint Tape and SHEETROCK® Brand Setting-Type Joint Compound (DURABOND® or EASY SAND™). Then entire surface of joint-treated panels must be treated with a continuous film of USG Plaster Bonder before application of basecoat plaster.</p> <p><b>Conventional Sanded Plaster</b>—The USG Decorative Interior Finish System may be applied to conventional basecoat plasters that are sanded, such as RED TOP Gypsum Plaster, RED TOP Two-Purpose Plaster, and STRUCTO-BASE Gypsum Plaster. Substrates for conventional plaster include gypsum lath, metal lath, concrete masonry or monolithic concrete. Plaster base and basecoat plaster must be applied in accordance with specifications. The USG Decorative Interior Finish System can be applied following the application, setting and drying of the basecoat plaster and a surface treatment with USG Plaster Bonder-Clear.</p>
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**Veneer basecoat plastering**

**Concrete masonry (block)**—Fill all voids and depressions, including joints; spray concrete block uniformly with water before applying basecoat.

**Monolithic concrete**—Clean surface of dirt, dust, grease, wax, oil or other unsound surface conditions; apply a continuous film of USG Plaster Bonder to all monolithic concrete surfaces before applying basecoat.

**DUROCK Brand Cement Board or FIBEROCK Brand Abuse-Resistant Panels**—Treat entire surface with USG Plaster Bonder before basecoat plastering. Note that DUROCK Brand Cement Board also requires treatment with USG Plaster Bonder before joint treatment application.

Apply IMPERIAL Brand Basecoat Plaster or DIAMOND Brand Veneer Basecoat Plaster to wetted concrete block, or USG Plaster Bonder-treated monolithic concrete, DUROCK Brand Cement Board or FIBEROCK Brand Abuse-Resistant Panels. Basecoat plaster may be applied directly to joint-treated IMPERIAL Brand Gypsum Base. The application should be left under the trowel and not broomed or brushed to create a rough open surface (as is the normal condition for the direct application of a finish coat). After the basecoat plaster has set and is dry, apply USG Plaster Bonder—Clear to the entire surface prior to the application of the colored finish.

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**Conventional basecoat plastering**

Unit masonry surfaces that exhibit high suction shall be moderately wetted immediately before plastering. Monolithic concrete surfaces should be treated with USG™ Plaster Bonder prior to basecoat application.

The plaster is mixed with various types of aggregate for hand or machine application, depending on the plaster product, the strength and other performance characteristics required for the specific project. Mix the basecoat plaster by hand or in a mechanical mixer to a uniform consistency. Apply the basecoat plaster by hand or machine.

For application over gypsum lath and masonry, apply the base (first) coat with sufficient material and pressure to form a good bond to the base and to cover well; then double back to bring the plaster out to grounds. Straighten to a true surface with a rod and darby without the use of additional water. The application should be left under the trowel and *not* broomed or brushed to create a rough open surface (as is the normal condition for the direct application of a finish coat). After the basecoat plaster has set and is dry, apply USG Plaster Bonder—Clear to the entire surface prior to the application of the colored finish.

For three-coat work, apply the plaster scratch (first) coat with sufficient material and pressure to form good full keys on metal lath, and good bond on other bases, and then cross-rake. Apply brown (second) coat after scratch (first) coat has set firm and hard. Bring out to grounds and straighten to a true surface with a rod and darby without the use of additional water. The application should be left under the trowel and *not* broomed or brushed to create a rough open surface (as is the normal condition for the direct application of a finish coat). After the basecoat plaster has set and is dry, apply USG Plaster Bonder—Clear to the entire surface prior to the application of the colored finish.

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**Mix finish**

USG Decorative Interior Finish usually consists of DIAMOND® Brand Interior Finish mixed with colorants and water, but IMPERIAL® Brand Basecoat Plaster, DIAMOND® Brand Veneer Basecoat Plaster or IMPERIAL® Brand Finish Plaster also may be used. Mix in 5-gal. pail (14" high, 10-1/4" bottom, 11-1/4" top). Use 6-1/2" of water per batch for DIAMOND Brand Interior Finish, 4-1/2" for DIAMOND Brand Veneer Basecoat Plaster, 4" for IMPERIAL Brand Basecoat Plaster, and 5" for IMPERIAL Brand Finish Plaster. Add the predetermined amount of colorant (COLORTREND Formula) to the water. Use COLORTREND AMBIANCE 1-gal. formulas to prepare approximately a 5-gal. plaster mix. The plaster is added to the water in three stages. First, fill the bucket with plaster and stir lightly with an on-and-off action using a 450 RPM 1/2" drill and blade-type (joint compound) mixing paddle. Add plaster to the top of the bucket and repeat stirring with on-and-off action. Add plaster a third time and mix completely, ensuring that no colored water splashes out of mixing container. Mix approximately 40-45 lbs. of DIAMOND Brand Interior Finish with the water, or 60 lbs. of DIAMOND Brand Veneer Basecoat Plaster or IMPERIAL Brand Basecoat Plaster, or 50 lbs. of IMPERIAL Brand Finish Plaster. Finish should be slightly thicker than normal. These quantities should fill the container to about 1 to 1-1/2 inches from its top. To ensure color uniformity, each batch must be mixed exactly the same way, by volume and to the same fluidity in a volume-specific container.

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**Finish application**

Each wall or ceiling must be covered in a continuous application, always continuing joinings of separate mixes prior to either mix setting. Work walls and vaulted ceilings from top to bottom; ceilings from angle to angle. For one-coat semi-smooth texture, apply plaster in random, 1' to 2' strokes at a nominal 1/8" thickness, leaving lap marks as desired. After approximately 20 minutes from initial application, draw a trowel, held almost flat, lightly over the surface with short strokes in various directions. Trowel again as initial set begins (approximately 45 minutes). For two-coat heavy texture, apply first coat to a nominal thickness of approximately 1/8", covering the entire surface. When surface has firmed slightly, apply second coat in short strokes as described above. Two-coat thickness should vary from 1/8" to 3/16". Additional troweling of second coat should be as described above for one-coat finish.

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	<b>Sealing</b>	After finish has set and dried (minimum 24 hr.), apply USG Decorative Finish Sealer and maintain minimum 55° F (13° C) temperature. Do not shake or box-mix sealer. Apply using brush, roller or sprayer with 0.015" to 0.023" tip. Initially, sealer will appear milky, but will dry clear and colorless. When appearance changes to clear, wipe or roll drips and puddles, then recoat.	
<b>System</b>	<b>Specifications</b>	To perform in the expected manner, the USG Decorative Interior Finish System installation should meet all requirements for gypsum base application and joint treatment preparation as described in SA920 "Plaster Systems," and Technical Data Sheets P528 "IMPERIAL Brand Plasters," and P529 "DIAMOND Brand Interior Finish Systems." For details, consult your local United States Gypsum Company technical representative.	
	<b>Additional information</b>	For additional information on this system and its components, consult publications P759 "USG Decorative Interior Finish System," PM12 "Recommendations for Mixing and Applying the USG™ Decorative Interior Finish System," P762 "USG Decorative Interior Finish System Contractor Installation Cost Estimating Sheet," P761 "Color Formulas," P778 "USG Plaster Bonder Submittal Sheet," P777 "DIAMOND Brand Interior Finish Plaster Submittal Sheet," P780 "USG Decorative Interior Finish Sealer" and SA920 "Plaster Systems." Additional submittal sheets in this series are P797, USG Decorative Interior Finish System/Drywall and P808, USG Decorative Interior Finish System/Existing Substrate.	
<b>Product Data</b>		<p><b>Sizes and Packaging:</b> IMPERIAL Brand Gypsum Base, 1/2" or 5/8", available 4' wide x 8', 9', 10', 12' long  DUROCK Brand Cement Board, 1/2" or 5/8", available 48" wide x 8' long  FIBEROCK Brand Panels—Abuse-Resistant and VHI Abuse-Resistant Board, 1/2" or 5/8", available 48" wide x 8', 9', 10', 12', long.  RED TOP Gypsum Plaster and RED TOP Two-Purpose Plaster, 100 lb. (45.4 kg) bags, coverage (mixed with sand), 180-232 yd.<sup>2</sup>/ton over gypsum lath, 114-148 yd.<sup>2</sup>/ton over metal lath, 140-181 yd.<sup>2</sup>/ton over unit masonry.  STRUCTO-BASE Gypsum Plaster, 100 lb. (45.4 kg) bags, coverage (mixed with sand), 154-214 yd.<sup>2</sup>/ton over gypsum lath, 99-136 yd.<sup>2</sup>/ton over metal lath, 120-167 yd.<sup>2</sup>/ton over unit masonry.  IMPERIAL Brand Basecoat Plaster, 80 lb. (36.3 kg) bags, coverage 3250-4250 ft.<sup>2</sup> per ton.  DIAMOND Brand Veneer Basecoat Plaster, 80 lb. (36.3 kg) bags, coverage 3500-4600 ft.<sup>2</sup> per ton.  USG Plaster Bonder, 5-gal. pails, coverage 300 ft.<sup>2</sup> (27.8 m<sup>2</sup>) per gal., depending on application method.  DIAMOND Brand Interior Finish Plaster, 50 lb. (22.7 kg) bags, coverage 5500 ft.<sup>2</sup> per ton.  IMPERIAL Brand Finish Plaster, 80 lb. (36.3 kg) bags, coverage 3500-4000 ft.<sup>2</sup> per ton.  USG Decorative Interior Finish Sealer, 5-gal. pails, coverage 300 ft.<sup>2</sup> (27.8 m<sup>2</sup>) per gal., depending on application method.  <b>Storage:</b> Store in a cool, dry place. Avoid direct sunlight. Maintain temperature above 40° F (4° C)  <b>Shelf life:</b> Up to 12 months under protected storage conditions. Rotate stock.</p>	
<b>Submittal Approvals:</b>	<b>Job Name</b>		
	<b>Contractor</b>	<b>Date</b>	

**Trademarks**

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**Note**

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

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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.