

Imperial® Veneer Basecoat



For strong, abrasion-resistant interior finishes with veneer plaster

- Durable and stable. IMPERIAL® Brand Veneer Basecoat offers the durability needed in high-traffic areas.
- Permanent bond. IMPERIAL Veneer Basecoat bonds to IMPERIAL® Brand Gypsum Base in a positive, permanent manner.
- Provides noncombustibility. When used with IMPERIAL Gypsum Base, IMPERIAL Brand plaster systems provide fire-resistant construction.
- Can be applied direct to concrete block or over a bonding agent to monolithic concrete.
- Not affected by decay, dry rot or normal humidity. Will not attract vermin.

Description

IMPERIAL Brand plasters are high-strength veneer plasters designed for one- and two-coat application over IMPERIAL Gypsum Base, applied in 1/16" to 3/32" thickness and producing a hard, 3,000 lb./in.² compressive strength, abrasion-resistant surface.

IMPERIAL Veneer Basecoat, used as the basecoat of two-coat applications, offers the ultimate in performance and aesthetics. Can be applied to IMPERIAL Gypsum Base, directly to porous concrete block, or over a bonding agent on monolithic concrete. The surface of IMPERIAL Veneer Basecoat must be left rough and open to achieve proper bond and suction for applying the finish coat. Failure to do so may result in delamination of the finish coat. IMPERIAL Veneer Basecoat is formulated to receive DIAMOND® Brand Finish, RED TOP® Brand Finish, high-strength STRUCTO-GAUGE® Brand Gauging Plaster/lime putty, RED TOP® Brand Keenes Cement/lime/sand float finish, RED TOP® Brand Gauging/ lime putty finishes and IMPERIAL® Brand Finish Plaster.

IMPERIAL Brand plasters are recommended for interior wall and ceiling surfaces in all types of construction, particularly for hard-wear locations where durability and resistance to abrasion are desired.

Limitations

1. Plaster application on masonry or concrete walls or ceilings that have been coated with bituminous compounds or other waterproofing agents is not recommended. Exterior walls should be furred.
2. Not recommended where contact with water or excessive moisture may be encountered.
3. Over interior monolithic concrete, USG Plaster Bonder must be applied before plastering.

Directions

Preparation

Protect the product from moisture during storage and on the job. In cold weather, heat the interior of the building to a minimum of 55 °F (13 °C) for an adequate period before the application of plaster, while basecoat and finish are being applied, and until the finish is dry. Air circulation should be kept at a minimum during this period.

If possible, maintain building temperature-humidity combination in the "normal drying" area of the graph on next page. When dry conditions exist, relative humidity often can be increased by wetting down the floor periodically. During these periods, make every effort to reduce air movement by closing windows and deflecting heater blower and duct output away from the surfaces being plastered. If the building temperature-humidity combination is in the "rapid drying" area of the graph, or IMPERIAL Gypsum Base is applied over steel studs, special joint treatment measures must be taken. These include the use of a SHEETROCK® Brand DURABOND® Setting-Type Joint Compound or SHEETROCK® Brand EASY SAND™ Lightweight Setting-Type Joint Compound and SHEETROCK® Brand Joint Tape. Follow the directions in the "Joint Treatment" section below.

Mixing

Mix plaster with a cage-type paddle driven by a heavy-duty drill capable of producing 900-1000 rpm minimum under no load. Approximate water-plaster ratios for IMPERIAL Basecoat (hand or machine application) are 5-6.25 qt./50 lb. (5.7-7.1 L/22.7 kg) bag.

Place the water in a 12- to 15-gal. smooth-sided container. Start the mixer, slowly add plaster and mix at least 2 minutes to disperse lumps completely. Do not mix more than 5 minutes.

Joint Treatment

Normal drying conditions Apply IMPERIAL® Brand Tape over all joints (edges and ends). Do not overlap tape at intersections.

Align IMPERIAL® Brand Type P (pressure-sensitive) Tape over the joint and press it into place over the entire length of the joint. Eliminate wrinkles and assure maximum adhesive bond by pressing entire length of tape with a steel finishing knife or trowel. Press the tape into corners with a corner tool. Do not overlap.

Alternatively, attach IMPERIAL® Brand Type S Tape with spring-driven hand stapler using 3/8" staples. Apply two staples at each end of the tape; staple the remainder at staggered 24" intervals. At wall-ceiling angles, staple every 18" to 24" along the ceiling edge only. For wall-to-wall interior angles, staple every 18" to 24" on one edge only, working from top to bottom. Position the tape to bridge the joint at all interior corners without over-lapping. For fire-rated assemblies, staple either Type P or Type S tape 8" o.c.

Rapid drying conditions When building temperature-humidity conditions fall in the “rapid drying” area of the graph or IMPERIAL Gypsum Base is applied over steel studs, use SHEETROCK Joint Tape embedded with DURABOND Setting-Type Joint Compound or EASY SAND Lightweight Setting-Type Joint Compound. Mix the compound in a clean 5-gal. container (plastic is preferred). Use a commercial potato masher or a 1/2” heavy duty 200 to 300 rpm electric drill with a drywall blade-type mixing paddle. Drill speed must not exceed 400 rpm. Use the amount of water shown on the bag and always sift the powder into the water to ensure complete wetting. Stir vigorously for 3 minutes; if lumps remain, allow the mix to soak for a minute or two then restir until smooth. **Note:** Do not contaminate compound with other materials, dirty water or previously mixed batches. Do not retemper batches.

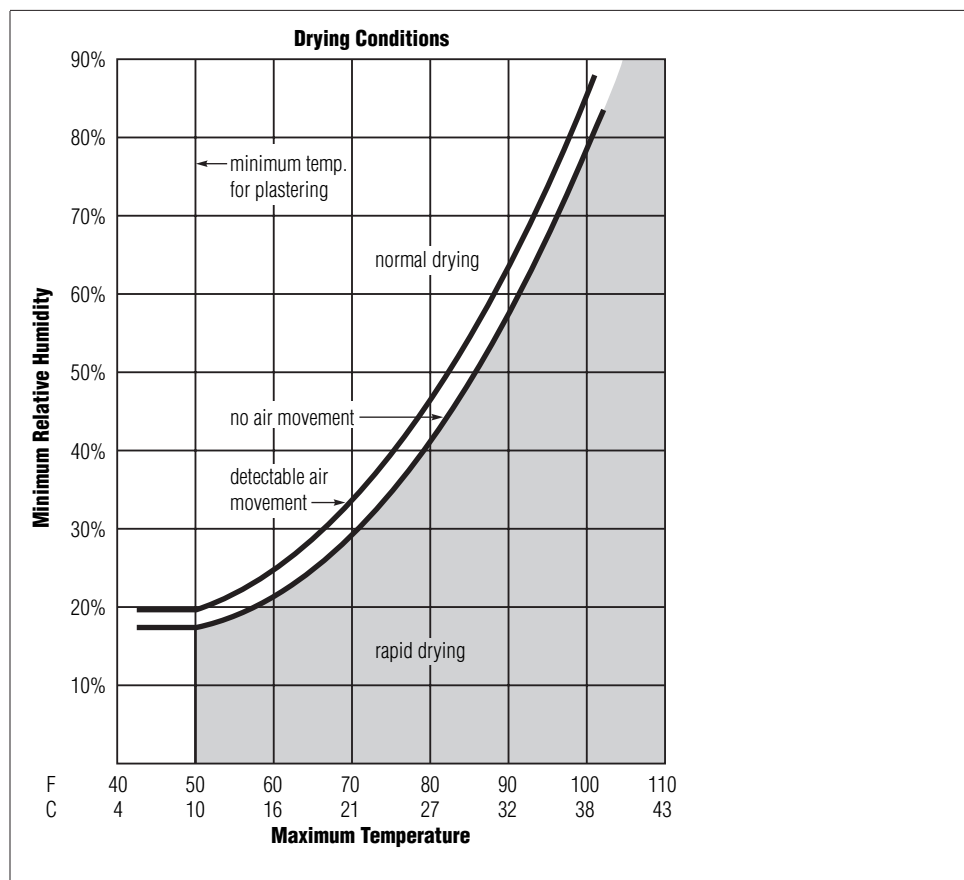
Butter joints with compound, using a trowel or steel finishing knife to force compound into the joints. Center SHEETROCK Joint Tape and press it into the fresh compound with trowel held at a 45° angle. Draw trowel along joint with sufficient pressure to remove excess compound. After tape is embedded, apply a skim coat of joint compound to reduce possibility of edge wrinkling or curing. Allow joint treatment to set and dry thoroughly before plaster application. Plaster prefill is not required over setting-type joint compound. Mix and apply a finish coat, feathering 3” to 4” beyond edges of tape. Allow to set before plastering.

Plastering

IMPERIAL Brand plasters provide a wide range of finish options with two distinct application systems:

1. IMPERIAL Brand Veneer Finish (one-coat system; basecoat plaster is not used)
2. IMPERIAL Brand Veneer Basecoat with selected plaster finishes (two-coat system)*

*Note that USG® Acoustical Plaster Finish may be applied directly to IMPERIAL Basecoat when a sound-rated spray plaster texture is desired.



Two-coat system Scratch-in a tight, thin coat of IMPERIAL Basecoat over the entire area, immediately doubling back with plaster from same batch to the full thickness of 1/16" to 3/32". Fill all voids and imperfections. Leave the surface rough and open for the proper bond of finish coat. Allow the basecoat to set and partially dry to provide proper suction for the finish coat.

For IMPERIAL Basecoat Veneer Basecoat (Two-Coat) Applications

	Product	Ratio of mix (dry wt.)			Approx. coverage ⁽¹⁾		Finish Characteristics
		Lime ⁽²⁾ (metric)	Gauging ⁽³⁾	Sand ⁽⁴⁾	ft ² /ton	m ² /ton	
Veneer Finishes— High-Strength Superior Surface Hardness	IMPERIAL Veneer Finish	—	—	—	3,200-3,600	330-340	Prepared Finish —Ultimate in surface hardness and abrasion resistance. Easily textured. Low productivity due to additional work necessary to achieve a smooth finish.
	DIAMOND Veneer Finish	—	—	—	6,000	615	Prepared Finish —Single-bag, ready-to-use finish. Moderate strength. Acceptable workability. Extremely adaptable to textured finishes. Satisfactory smooth finish.
Gauged Lime Putty Finishes— Standard Surface Hardness	RED TOP Finish ⁽³⁾	—	—	—	4,450	460	Prepared Finish —Hard, dense prepared putty finish. Highest degree of workability of prepared finishes. Joinable, dense, smooth finish.
	STRUCTO-GAUGE Plaster	1	1	—	2,940	300	Lime Gauging Finish —1:1 Hard, dense putty finish; 2:1 Moderate surface hardness putty finish. Good workability and ease of application. Excellent finish appearance.
		2	1	—	4,450	460	
	RED TOP, CHAMPION & STAR Gauging Plasters	2	1	—	4,040	410	Lime Gauging Finish —High productivity. Best workability putty finish. Joinable, easiest to achieve a monolithic finish. Good surface hardness.
2		1	8	2,900	300		
RED TOP Keenes Cement	2	1	8	2,430	250	Lime Gauging Finish —Unique, only truly retemperable material. Ultimate choice for texturing. Can be floated for extended time or built up to promote heavy, drawn down texture finishes. Can be used for coloring or tinting large plaster wall area.	
	1	1	—	3,330	345		
	2	1	—	3,870	400		

(1) Total mix. (2) Packaged in 50 lb. (22.7 kg) bag. (3) Packaged in 100 lb. (45.4 kg) bag. (4) Natural, uniform, graded, clean silica sand.

Finish coat materials are applied by scratching in and doubling back with the selected finish (see table above) to achieve a smooth, dense surface for decoration, free of surface blemishes. For textured finishes, floating or texturing is applied once the surface has become firm or textured with additional material from the same batch. Float-finish using water sparingly to avoid texture and color variation.

For a spray-applied finish, mix RED TOP Keenes Cement-lime-sand in proportion of 50 lbs. (23 kg) Keenes Cement to 100 lbs. (45 kg) dry double-hydrated lime, and up to 400 lb. (180 kg) but not less than 200 lb. (60 kg) clean, properly graded silica sand with sufficient water to form a smooth consistency for hand application. Apply this mix evenly over a properly prepared IMPERIAL Basecoat surface by first applying a well-ground-in scratch coat, then immediately double-back with sufficient material to cover the basecoat to a total thickness of 1/16" to 1/8". When the surface has become firm by water removal, float the surface to a uniform, blemish-free flat texture. After floating, and while the application is still wet but totally firm, prepare additional finish material

with the consistency adjusted for spray application. With either a hand-held hopper gun or machine application equipment without catalyst spray, apply texture to provide a uniform texture appearance. Vary aggregate grading, aggregate proportion, number of passes over the surface, air pressure and nozzle orifice size as necessary to achieve the desired finish. For more information about spray-applied finishes, see USG literature PM6, *Veneer Plaster Application Technique*.

IMPERIAL Veneer Basecoat applied to concrete block The surface must be porous and develop proper suction or be scored to provide adequate mechanical bond. Lightly spray with water to provide uniform suction. Fill and level all voids, depressions and joints with IMPERIAL Basecoat and allow to set; then apply subsequent coats as with gypsum base application, leaving the final surface rough and open to achieve proper bonding of the finish coat.

IMPERIAL Veneer Basecoat applied to monolithic concrete Prepare the surface with USG™ Plaster Bonder. Fill all voids and depressions with IMPERIAL Basecoat Plaster and allow to set and partially dry. Apply IMPERIAL Basecoat Plaster as with gypsum base or concrete block. **Important:** As no suction is provided over surfaces treated with a plaster bonding agent, the applied basecoat surface must be raked or broomed once the material has become firm to provide proper suction for the finish coat. Failure to do so may result in delamination of the finish material.

Product Data

Coverage: IMPERIAL Veneer Basecoat covers approximately 3,250-4,250 sq. ft. (335-435 m²) of gypsum base or 2,700-3,600 sq. ft. (275-370 m²) of concrete per ton (metric ton) of plaster.

Compliance with Standards: IMPERIAL Veneer Basecoat meets ASTM Designation C587.

Warning: Store all IMPERIAL Gypsum Base flat. Panels are heavy and can fall over, causing serious injury or death. Do not move unless authorized.

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

Shelf Life: Up to 6 months under protected storage conditions. Rotate stock.

Availability and Cost: IMPERIAL Veneer Basecoat is distributed throughout the United States. Contact a United States Gypsum Company sales office or sales person for additional information.

Packaging: IMPERIAL Veneer Basecoat is available in 50 lb. (22.7 kg) bags.

Submittal Approvals:

Submittal Approvals:	Job Name	
	Contractor	Date

WARNING!

When mixed with water, this material hardens and becomes very hot - sometimes quickly. DO NOT attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions can cause severe burns that may require surgical removal of affected tissue or amputation of limb. Long-term breathing of respirable crystalline silica dust can cause permanent lung damage and/or cancer. Dust may cause irritation to eyes, skin, nose,

throat and upper respiratory tract. Avoid irritation by reducing exposure to dust. Use in a well-ventilated area or provide sufficient local ventilation. Wash with soap and water after use. Do not ingest. If dusty, wear a NIOSH/MSHA-approved dust respirator. Wear eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes. If irritation persists, call physician. If ingested, call physician. Product information and MSDS: (800) 507-8899 or www.usg.com.

KEEP OUT OF REACH OF CHILDREN.

Trademarks

The following trademarks used herein are owned by United States Gypsum or a related company: DIAMOND, DURABOND, EASY SAND, IMPERIAL, RED TOP, SHEETROCK, STRUCTO-GAUGE and 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 installation of 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.

