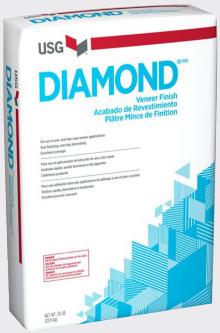
DIAMOND® VENEER FINISH SANDED



FEATURES & BENEFITS

For economical, abrasion-resistant walls and ceilings

DIAMOND® Brand Veneer Finish—Sanded is a white, sanded finish formulated for hand application over IMPERIAL® Brand Gypsum Base. It can also be used as the finish for a two-coat system over a sanded gypsum basecoat, IMPERIAL® Brand Veneer Basecoat or DIAMOND® Brand Veneer Basecoat. This veneer finish is pre-aggregated for textured or skip-trowel finishes applied to a nominal thickness of 1.5mm-2.5mm.

DIAMOND Veneer Finish—Sanded is recommended for interior wall and ceiling surfaces, and over properly prepared monolithic concrete. It is ideal for residential construction including single-family dwellings, high-rise buildings and garden apartments. It provides a strong, hard surface that resists abrasion and surface cracking, creates a beautiful white finish and offers a fire rating of up to four hours. Sound-rated assemblies up to 62 STC satisfy any residential or commercial requirement. DIAMOND Veneer Finish – Sanded applies easily and dries in as little as 24 hours for next-day decoration. It can be richly textured to create Spanish, swirl, stippled, float and other types of texture.

- Excellent for texturing
- Finish coat for one- and two-coat veneer plaster systems
- Fast drying—permits next-day decorating
- Pre-aggregated for convenience and higher productivity

LIMITATIONS

1. Not recommended where contact with water or excessive moisture may be encountered.
2. Not recommended for use over Portland cement basecoat or directly to masonry surfaces. Use IMPERIAL Veneer Basecoat or DIAMOND Veneer Basecoat applied directly to concrete block, or over a bonding agent on poured concrete, prior to application of DIAMOND Veneer Finish—Sanded as the finish coat.
3. Machine application is not recommended.

DIRECTIONS

Preparation: Protect from moisture during storage and on the job. In cold weather, heat building interior to a minimum 15 °C for an adequate period before application of plaster, while basecoat and finish are being applied, and until finish is dry. Keep air circulation to a minimum during this period.

If possible, maintain building temperature-humidity in the “normal drying” area of the graph on the next page. When dry conditions exist, increase relative humidity by wetting down the floor periodically. During these periods, reduce air movement by closing windows and deflecting heater blower and duct output away from surfaces being plastered. If the building temperature-humidity combination is in the “rapid drying” area of the graph, follow directions below under “Joint Treatment.”

Gypsum base applications: DIAMOND Veneer Finish—Sanded should be applied to IMPERIAL Gypsum Base having pristine, blue face paper. However, under abnormal conditions where there is no alternative to using gypsum base faded from excessive exposure to sunlight or ultraviolet radiation, precautions should be taken to prevent delamination. Degrading may occur when gypsum base has been installed long before the finish is applied.

Gypsum Base. Use of USG Plaster Bonder to correct the condition will require that a two-coat veneer plaster system be used, since the bonder application will eliminate base suction needed for proper one-coat veneer application. For alum solution treatment, dissolve 1.5kg alum in 3.8L water. Pour alum slowly into water and mix thoroughly. Allow solution to stand until any undissolved materials have settled; then strain solution into tank-type sprayer (such as a lawn and garden sprayer). 3.8L of solution should treat 69.7 m^2 of base. Begin finish application before alum solution is completely dry.

Note: Alum treatment reduces setting time of DIAMOND Veneer Finish—Sanded.

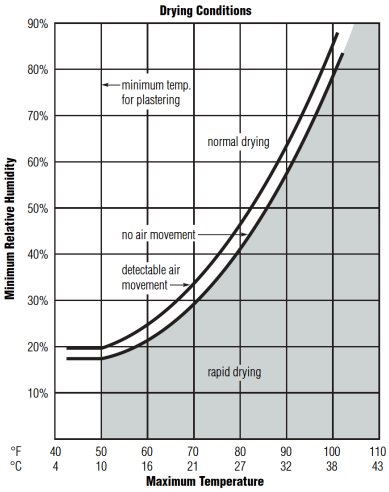
JOINT TREATMENT

Corners: Apply SHEETROCK™ Brand No. 800 Corner Bead (No. 900 for two-coat system) to gypsum base with 14mm rosin-coated staples 220mm on both flanges along entire length of bead.

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

Alternatively, attach IMPERIAL® Brand Type S Tape with spring-driven hand stapler using 9.5mm staples. Use two staples at each end of the tape; staple remainder at staggered 600mm intervals. At wall-ceiling angles, staple every 450-600mm along the ceiling edge only. For wall-to-wall interior angles, staple every 450-600mm on one edge only, working from top to bottom.

Position the tape to bridge the joint at all interior corners without overlapping. Embed tape and fill beads with a coat of DIAMOND Veneer Finish—Sanded and allow to set – but not dry – prior to finish application. Slightly under fill in the bead by screeding along the bead with edge of trowel after setting the bead (plan the job to permit continuous application from angle to angle.)



Joints – rapid drying conditions: Use SHEETROCK® Brand Joint Tape and SHEETROCK® Brand DURABOND® Setting-Type Joint Compound or SHEETROCK® Brand EASY SAND™ Lightweight Setting-Type Joint Compound to treat all joints and internal angles when any of the following conditions exist: Rapid drying conditions due to low humidity, high temperature and excessive evaporation; metal framing is specified; 600mm wood frame spacing and a single layer gypsum base veneer system is specified (16mm base with one-coat veneer finish, or 12.7mm or 16mm base with two-coat veneer finish). Allow joint treatment to set and dry thoroughly before plaster application.

Mix joint compound in a clean 19L container (plastic is preferred). Use a commercial potato masher or a 1/2 heavy-duty 200-300 rpm electric drill with a blade-type drywall paddle. Drill speed should not exceed 450 rpm. Use amount of water shown on the bag; always sift the powder into water to ensure complete wetting. Stir vigorously for 3 minutes; if lumps remain, allow mix to soak 1-2 minutes, then re-stir until smooth.

Note: Do not contaminate the compound with other materials, dirty water or previously mixed batches. Do not remix batches.

Apply compound to joints using a trowel or steel finishing knife to force the compound into the joints. Center SHEETROCK Joint Tape over joint and press into the fresh compound with trowel held at 45° angle. Draw trowel along joint with sufficient pressure to remove excess compound.
After tape is embedded, apply skim coat of joint compound to reduce possibility of edge wrinkling or curling. Allow skim coat to set, then apply separate finish coat, completely covering tape and feathering 3-4 beyond edges of tape. The tape must be fully concealed to prevent photographing due to final finished suction over the joint-compound-treated area. Allow joint treatment to set and dry thoroughly before plaster application. Plaster prefill is not required over setting-type joint compound.

MIXING

Use a cage-type mixer paddle driven by heavy-duty 1/2 electric drill with no-load rating of 900-1,000 rpm. Mix in a 45-55L smooth-side container strong enough to withstand impacts that could cause gouging; do not use brittle containers for mixing. Correct mixing (rapid and high shear action) is essential for proper dispersion of finish ingredients. Slow mixing reduces plasticity of material. Over mixing shortens working time. Operated at correct speed, the cage-type paddle mixes thoroughly, developing maximum plasticity for high coverage and productivity.
Water usage is approximately 8.5-10L per 45kg. bag. Place all but 1-2L of clean water in the mixing container and, with the mixer operating, slowly add one bag of plaster. When the material is wetted, add remaining water to obtain desired consistency.
Mix for a minimum of two minutes but no longer than five minutes. The finish sets in approximately one hour. Do not mix more than can be applied in 30 minutes, and do not retemper.

APPLICATION

This interior finish is intended for hand application over veneer or conventional sanded plaster basecoats, as well as directly to gypsum base as a one-coat system. Machine application is not recommended. When applied over veneer or conventional sanded plaster basecoat, the basecoat should be rough and open and allowed to set and only partially dry to provide suitable suction for the finish.
Protect all finish materials and finish surfaces from contact with DIAMOND Veneer Finish – Sanded including glass, ceramic materials, metal and wood. Apply wood, plastic or other exposed trim after finish application.
Apply a thin, tight scratch coat of finish over entire working area. Immediately double-back with material from same batch to nominal thickness 1.5mm-2.5mm. Begin troweling or texturing as soon as the material has become sufficiently firm. Smooth and level the surface with the trowel held flat; use water sparingly to lubricate.
Texturing: A variety of textures from sand float to heavy Spanish can be achieved by using float or sponges. The application is the same, except that once the surface has been leveled and sufficient take-up has occurred, begin floating the material with trowel, float, sponge or by other accepted local techniques. DIAMOND Veneer Finish—Sanded also may be skip-troweled. When applying in this manner, eliminate final troweling. When the surface has become sufficiently firm, texture with material from the same batch prior to set.
Decorating: Paint with acrylic or other high-grade latex breather-type paint the day following application, if the plaster is completely dry.
Note: Polyvinyl acetate primers are highly susceptible to moisture and can cause paint delamination when applied over wet plaster finishes. Before applying acrylic or latex breather-type paints, be sure the plaster surface is dry. If alkyd or oil-based paints are used, the surface must first be sealed with a good-quality alkali-resistant sealer. For specific painting recommendations, consult the specified paint manufacture. See USG literature PM15 for preparation for painting.

PRODUCT DATA

Material: White, mill-prepared plaster finish.
Surface Hardness: 40kg (418 N) required to depress a 10 mm dia. steel ball 0.01 (0.25 mm) into finish coat applied over veneer or sanded gypsum basecoat.
Compliance with Standards: Complies with ASTM C587 and Federal Specification SS-P-00402B, Type VI.
Warning: Store all IMPERIAL Gypsum Base flat. Panels are heavy and can fall over, causing serious injury or death. Do not move unless authorized.
Dry Density: 1.18-1.24 kg/m^2.
pH: 12.5.
Setting Time: 55-75 minutes.
Storage: Store material in a cool, dry place. Avoid direct sunlight. Maintain temperature above 4°C.
Shelf Life: 3 to 6 months with proper storage.
Packaging: 22.7 kg bags.

REFERENCES

For further health and safety instructions, refer to the Safety Data Sheet (SDS) for this product, available from your USG Middle East sales office or **USGme.com**

Notice:
As we are involved in constant products development; this document information is subject to change without prior notice. Please always refer to **usgme.com** for the updated products information document.

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