

Joint Systems

G-P Gypsum Joint Systems products are designed to conceal joints, nail heads and corner beads and to “surface weld” G-P GyProc® gypsum board panels together. Properly used, these products provide a smooth, seamless appearance for walls and ceilings, and provide joints stronger than the gypsum board itself.

G-P Gypsum Bedding Compound

G-P Gypsum Bedding Compound is formulated to provide good adhesion of tape to joints and for the first application to nail heads and corner beads. Spreads smoothly with hand or machine application.

Coverage: 15 to 20 lbs. per 1000 sq. ft. of gypsum wallboard surface. (Used in conjunction with 40-45 lbs. of Topping Compound.)

Available in 25 lb. bags.

G-P Gypsum Topping Compound

G-P Gypsum Topping Compound is formulated for the second and third coats over the Bedding Compound. Since it is used only for finishing applications, the amount of binder is reduced, which results in easier sanding and improved working properties.

Coverage: 40-45 lbs. per 1000 sq. ft. of gypsum wallboard surface. (Used in conjunction with 15 to 20 lbs. of Bedding Compound.)

Available in 25 lb. bags.

G-P Gypsum Triple Duty® Compound

G-P Gypsum Triple Duty® is a vinyl/polymer binder multi-purpose joint system product. It is mixed with water and used for taping, finishing and texturing. The binder gives the product a wet life of 30 days so that large quantities can be mixed in advance. G-P Triple Duty can be applied with hand or machine tools. When all of the joint finishing and texturing (if desired) is complete, only painting is required as the final decoration.

Coverage: 60 lbs. per 1000 sq. ft. of gypsum board surface for joint taping and finishing and 15-50 lbs. per 1000 sq. ft. for texturing.

Available in 25 lb. and 50 lb. bags.

G-P Gypsum All Purpose Compound

G-P Gypsum All Purpose is formulated to be used for bedding tape, finishing joints, filling corner bead, spotting nails and texturing. The texture may be applied with a roller, sponge or brush depending on the type surface desired. For best results a primer should be applied prior to the texturing.

Coverage: 60 lbs. per 1000 sq. ft. for joint taping and finishing; 15 to 50 lbs. per 1000 sq. ft. when used for texturing.

Available in 25 lb. bags.

***G-P Gypsum Speed Set® Compound**

G-P Gypsum Speed Set® hardens by setting rather than drying. It can be used for all bedding and topping coats and makes it possible to complete taping and finishing in one day. When used for finishing, Speed Set will be harder to sand than non-setting joint compounds. Because of its setting characteristic, Speed Set is preferred when cold weather or slow drying conditions exist since it will reduce the incidence of beading. Speed Set will not shrink once it has set. Speed Set may also be used for lamination in multi-layer gypsum board systems. Available in Speed Set 90 for 1-hour working life, Speed Set 120 for 2-hour working life, and other Speed Set formulations with a variety of working and setting times.

Available in 25 lb. bags.

G-P Gypsum Ready Mix All Purpose Compound

G-P Gypsum Ready Mix is pre-mixed and ready to use. It is formulated for both taping and finishing of gypsum wallboard. It is furnished in pails and cartons.

Coverage: 60 lbs. per 700 sq. ft.

Available in 12 lb. and 60 lb. pails and 48 lb. cartons.

G-P Gypsum Ready Mix Topping Compound

G-P Gypsum Ready Mix Topping is premixed and ready to be used for finishing applications only.

Coverage: 40 lbs per 700 sq. ft. in conjunction with 20 lbs. Ready Mix All Purpose.

Available in 60 and 30 lb. pails and 48 lb. cartons.

G-P Gypsum Featherweight® All Purpose Compound

New easy to use Featherweight® ready mix is more than 25% lighter, easier to sand, and shrinks less than conventional joint compound. Featherweight comes pre-mixed and ready to use in pails and cartons.

Coverage: 4-1/2 gallons per 700 sq. ft.

G-P Gypsum Tape

G-P Gypsum Tape for reinforcing joints in gypsum wallboard is a high strength, special 2" wide **paper tape** with skived edges. It is creased for ease of application in corners. The surfaces of the paper tape are roughened to provide a good bond to the joint compound.

Coverage: Four hundred feet of tape required per 1000 sq. ft. of gypsum board.

Available in 60-, 250-, 500-ft. rolls.

G-P Gypsum Cameo® Plaster

G-P Gypsum Cameo® plaster is a specially formulated gypsum plaster for thin coat application to Cameo Plaster Base gypsum wallboard as part of the Cameo Veneer System. The system is designed for use in residential and commercial construction. The use of Cameo plaster results in a faster, more economical installation that will save time over other wall and ceiling finishes. Cameo is a high strength product with excellent resistance to abrasion or damage.

Coverage: 80 lbs. per 42-48 sq. ft.

Available in 80 lb. bags.

***G-P Gypsum Easy Sanding Speed Set®**

Easy Sanding Speed Set features same day joint finishing and next day decorating and sands almost as easily as conventional non-setting type compounds. Unlike other hardening type materials, Easy Sanding Speed Set permits the finishing and sanding of joints in the same manner as with Ready Mix All Purpose without the need for drying time between applications and with little shrinkage.

Available in 22 lb. bags.

***Precaution:** Fiberglass mesh tape, as an alternative to paper tape, can be used only when applied with Speed Set or Easy Sanding Speed Set joint compounds. If used with other types of joint compounds, cracking or other problems may occur.

RECOMMENDED SPECIFICATION LEVELS OF GYPSUM BOARD FINISH

I. Scope: This recommended specification describes various levels of finish of gypsum board surfaces prior to the application of specific types of final decoration. The recommended level of finish of gypsum board wall and ceiling surfaces varies with the final decoration to be applied and can also be dependent on their location in a structure and the type of illumination striking the surface. Each recommended level of finish is described with typical applications.

II. Terminology: The following definitions are applicable to this document:

Accessories: Metal or plastic beads, trim, or moulding used to protect or conceal corners, edges, or abutments of the gypsum board construction.

Critical Lighting: Strong sidelighting from windows or surface-mounted light fixtures. **syn** severe lighting. See “Comments” section below.

Joint Photographing: The shadowing of the finished joint areas through the surface decoration. **syn** telegraphing.

Primer/Sealer: A paint material formulated to fill the pores and equalize the suction difference between gypsum board surface paper and the compound used on finished joints, angles, fastener heads, and accessories, and over skim coatings. See “Comments” section below.

Skim Coat: A thin coat of joint compound over the entire surface to fill imperfections in the joint work, smooth the paper texture, and provide a uniform surface for decorating.

Spotting: To cover fastener heads with joint compound.

Texture: A decorative treatment of gypsum board surfaces.

Texturing: Regular or irregular patterns typically produced by applying a mixture of joint compound and water, or proprietary texture materials including latex base texture paint, to a

gypsum board surface previously coated with primer/sealer. See “Comments” section below.

III. Levels of Finish: The following levels of finish are established as a guide for specific final decoration.

Level 0: No taping, finishing, or accessories required.

This level of finish may be useful in temporary construction or whenever the final decoration has not been determined.

Level 1: All joints and interior angles shall have tape embedded in joint compound. Surface shall be free of excess joint compound. Tool marks and ridges are acceptable.

Frequently specified in plenum areas above ceilings, in attics, in areas where the assembly would generally be concealed, or in building service corridors and other areas not normally open to public view. Accessories optional at specifier discretion in corridors and other areas with pedestrian traffic.

Some degree of sound and smoke control is provided; in some geographic areas this level is referred to as ‘fire-taping’. Where a fire resistance rating is required for the gypsum board assembly, details of construction shall be in accordance with reports of fire tests of assemblies that have met the fire rating requirement.

Level 2: All joints and interior angles shall have tape embedded in joint compound and one separate coat of joint compound applied over all joints, angles, fastener heads, and accessories. Surface shall be free of excess joint compound. Tool marks and ridges are acceptable.

Specified where water-resistant gypsum backing board (ASTM C630) is used as a substrate for tile; may be specified in garages, warehouse storage or other similar areas where surface appearance is not of primary concern.

Level 3: All joints and interior angles shall have tape embedded in joint compound and two separate coats of joint compound applied over all joints, angles, fastener heads, and accessories. All joint compound shall be smooth and free of tool marks and ridges. Note: It is recommended that the prepared surface be coated with a primer/sealer prior to the application of final finishes. See painting/wallcovering specification in this regard.

Typically specified in appearance areas which are to receive heavy or medium texture (spray or hand applied) finishes before final painting, or where heavy grade wallcoverings are to be applied as the final decoration.

This level of finish is not recommended where smooth painted surfaces, or light to medium weight wallcoverings are specified.

Level 4: All joints and interior angles shall have tape embedded in joint compound and three separate coats of joint compound applied over all joints, angles, fastener heads, and accessories. All joint compound shall be smooth and free of tool marks and ridges. Note: It is not recommended that the prepared surface be coated with a primer/sealer prior to the application of final finishes. See painting/wallcovering specifications in this regard.

This level should be specified where light textures or wallcoverings are to be applied, or economy is of concern.

In critical lighting areas, flat paints applied over light textures tend to reduce joint photographing. Gloss, semi-gloss, and enamel paints are not recommended over this level of finish.

The weight, texture, and sheen level of wallcoverings applied over this level of finish should be carefully evaluated. Joints and fasteners must be adequately concealed if the wallcovering material is lightweight, contains limited pattern, has a gloss finish, or any combination of these features is present. Unbacked vinyl wallcoverings are not recommended over this level of finish.

Level 5: All joints and interior angles shall have tape embedded in joint compound and three separate coats of joint compound applied over all joints, angles, fastener heads, and accessories. A thin skim coat of joint compound, or a material manufactured especially for this purpose, shall be applied to the entire surface. The surface shall be smooth and free of tool marks and ridges. Note: It is recommended that the prepared surface be coated with a primer/sealer prior to the application of finish paint. See painting/specification in this regard.

This level of finish is recommended where gloss, semi-gloss, enamel, or nontextured flat paints are specified or where severe lighting conditions occur.

This highest quality finish is the most effective method to provide a uniform surface and minimize the possibility of joint photographing and of fasteners showing through the final decoration.

IV. Comments:

Critical (Severe) Lighting Area. Wall and ceiling areas abutting window mullions or skylights, long hallways, or atriums with large surface areas flooded with artificial and/or natural lighting are a few examples of critical lighting areas. Strong sidelighting from windows or surface-mounted light fixtures may reveal even minor surface imperfections. Light striking the surface obliquely, at a very slight angle, greatly exaggerates surface irregularities. If critical lighting cannot be avoided, the effects can be minimized by skim coating the gypsum board surfaces, or by decorating the surface with medium to heavy textures, or by the use of drapes and blinds which soften shadows. In general: gloss, semi-gloss, and enamel finishes highlight surface defects; textures hide minor imperfections.

Manufacturer Recommendations. The recommendations of individual manufacturers of gypsum board, joint tapes and compounds, accessories, primer/sealers, wallcoverings, adhesives, texture materials, and paints may vary from what is recommended herein and as such are not a part of this recommended specification.

Primer/Sealer. Applied as a first coat to the entire prepared gypsum board surface with brush, roller, or spray, prior to decoration. Where final appearance is critical, the application of an appropriate primer/sealer will minimize most decorating problems.

For finish paints:

A good quality, white, latex primer/sealer formulated with higher binder solids, applied undiluted, is typically specified for new gypsum board surfaces prior to the application of texture materials and gloss, semi-gloss, and flat latex wall paints.

An alkali and moisture resistant primer and a tinted enamel undercoat may be required under enamel paints. Consult with the finish paint manufacturer for specific recommendation.

For wallcoverings:

White, self-sizing, water base, “universal” (all purpose) wallcovering primers have recently been introduced into the marketplace for use on new gypsum board surfaces. These products are claimed to make drywall strippable, bind poor latex paint, allow hanging over glossy surfaces and existing vinyls, hide wall colors, and to be water washable.

Texturing. Texture material is applied by brush, roller, spray, or trowel, or a combination of these tools, depending on the desired result. Textured wall surfaces are normally overpainted with the desired finish; overpainting of textured ceiling surfaces may not be deemed necessary where an adequate amount of material is applied to provide sufficient hiding properties. A primer/sealer may not be required under certain proprietary texture materials; consult with the manufacturer of the texture material for specific recommendations.

Tool Marks and Ridges. A smooth surface may be achieved by lightly sanding or wiping joint compound with a dampened sponge. Care shall be exercised to ensure that the nap of the gypsum board facing paper is not raised during sanding operations. For additional information on the finishing of gypsum board surfaces, consult ASTM Standard C 840.