

DURABOND® Setting-Type Joint Compounds



For one-day drywall finishing

- For interior gypsum panels and exterior gypsum ceiling boards.
- Unique humidity resistance.
- Exceptional bond, low shrinkage.
- Unusual check-crack resistance in heavy fills.
- Choice of setting times.

Description

These asbestos-free, chemically setting powder compounds for interior gypsum panels and exterior gypsum ceiling boards, permit same-day joint finishing, and, usually, next-day decoration. DURABOND® Compounds are also ideal for heavy fills and are virtually unaffected by humidity. They provide low shrinkage and superior bond, which makes them excellent for laminating gypsum panels to gypsum panels, to sound-deadening boards, and to above-grade concrete surfaces. In addition, DURABOND Compounds can be used for filling, smoothing, and finishing interior concrete ceilings and above-grade concrete, and for taping and finishing SHEETROCK® brand Gypsum Panels. Other uses include finishing joints in exterior gypsum ceiling boards and presetting joints of veneer plaster finish systems.

To meet varying job requirements, a full line of DURABOND Compounds has been developed to provide a choice in setting times. The suffix number identifying each DURABOND Compound indicates an approximate setting time. (DURABOND 45 in 30-80 minutes; DURABOND 90 in 85-130 minutes.)

Advantages	Saves time and money	These compounds provide important labor and material cost reductions. One-day finishing with next-day decoration ensures rapid job completion and earlier occupancy. Choice of setting times aids work flow.
	Quickly mixed for immediate use	Easy to mix—simply combine with water and stir. Compounds are applied after short soaking period and remixing.
	Resists shrinkage and edge cracking	Compounds tolerate small amounts of excess water that would otherwise cause delayed shrinkage. Fill and finish coats can be applied when compound is hard—but still damp—with minimum danger of delayed shrinkage and cracking.
	Resists humidity changes	Setting rates are virtually unaffected by high humidity or changes in humidity. Application can be made in damp weather when drying-type compounds would delay job completion.
	Multiple use	Compounds are also excellent for patching and smoothing interior drywall and concrete surfaces because they provide superior bond, low shrinkage, and fast setting-action.
Limitations		<ol style="list-style-type: none"> 1. DURABOND Setting-Type Compounds are more difficult to sand after drying than conventional drying-type compounds and should be smoothed before set or while they are in a damp but set state. 2. Setting action cannot be delayed or prevented by dilution with water. 3. Not to be applied over moist surfaces or surfaces likely to become moist, or on below-grade surfaces or surfaces projecting outside building structure unless protected from direct exposure to moisture. 4. Before using DURABOND Setting-Type Compounds over new interior concrete surfaces, concrete should age 60 days or more. Remove protrusions, ridges, form or parting oils, grease, and efflorescence.
Directions	Preparation	In cold weather during gypsum panel joint finishing, minimum surface, water, mix, and air temperature of 10 °C (50 °F) must be ensured until joints are completely dry. Adequate ventilation shall be provided to carry off excess moisture.
	Gypsum Panel Joint Treatment	Position and apply SHEETROCK® brand Gypsum Panels in accordance with manufacturer's recommendations. Mix DURABOND Setting-Type Joint Compound according to directions on bag. If using SHEETROCK brand Gypsum Panels, SW Edge, prefill the "V" grooves formed by abutting tapered eased edges of the panels with DURABOND 45 or 90. Apply compound directly over "V" groove with a flexible 125 or 150 mm (5 in. or 6 in.) joint finishing knife. Wipe off excess compound that is applied beyond the groove. Allow the prefill compound to harden prior to the next application. Cover joint with a thin layer of compound and embed tape, leaving about 1 mm (1/32 in.) of compound under feathered edge and a thin layer over the tape. After compound has set, apply second coat, feathering out approximately 50 mm (2 in.) beyond first coat. After setting, apply third coat, feathering out approximately 50 mm (2 in.) beyond second coat. After each coat is applied, smooth away any tool lap marks or other imperfections prior to setting action. Finish fastener heads with three coats of joint compound; finish corner bead and inside corners as required with at least two coats, feathered and smoothed out onto panel faces.

For priming and decorating with paint, texture, or wallcovering, follow manufacturer's directions for materials used. All surfaces must be dry, dust-free, and not glossy. A prime coat of CGC First Coat or a good-quality interior latex flat wall paint with high solids content should be applied undiluted and allowed to dry before decorating. Walls to be covered with wallpaper or vinyl wallcovering should be sealed per manufacturer's recommendations. To obtain a Level 5 finish, apply a skim coat of joint compound or apply TUFF-HIDE™ Primer Surfacer. (A Level 5 finish effectively minimizes joint and fastener telegraphing to provide the most uniform final finish. Joint and fastener telegraphing is accentuated under critical lighting conditions and/or when surfaces are finished with a gloss or semi-gloss paint.)

Use with Veneer Plaster	Apply according to normal procedure. However, when building temperature/humidity conditions may result in rapid drying, or when steel-framed systems at 600 mm (24 in.) o.c. with single-layer gypsum base and single-coat veneer plaster finish are specified in either rapid or normal drying conditions, use CGC Joint Tape embedded with DURABOND Setting-Type Joint Compound. A fill or cover coat that completely hides the tape is required. This cover coat must be allowed to set and dry before plastering. Plaster prefill is not required over DURABOND Setting-Type Joint Compound.
Filling and Finishing Over Interior Poured Concrete Ceilings	Grind high plane differences in concrete level with adjacent area; also remove any form oil, efflorescence, and greasy deposits. Prime exposed metal with a good rust-inhibitive primer. Fill offsets or voids with DURABOND Setting-Type Joint Compound. Apply additional coats of DURABOND Setting-Type Joint Compound as necessary, after each coat has set, but not necessarily dried. After first coat of joint compound has dried, apply an undiluted coat of CGC First Coat or a good quality latex flat wall paint with high solids content over entire surface and allow to dry. For textured ceilings, apply SHEETROCK® Ceiling Spray Texture in a uniform coat at a rate not exceeding 2 m ² /kg (10 ft. ² /lb.).
Exterior Joint Treatment	Mix DURABOND Setting-Type Joint Compound according to directions on the bag. Do not overmix or use in temperatures below 10 °C (50 °F). Prefill tapered edges of SHEETROCK® brand Exterior Gypsum Board with DURABOND Setting-Type Joint Compound. After prefill has set, embed CGC Joint Tape centered over joint. When compound has set, immediately apply fill coat. Apply DURABOND Setting-Type Joint Compound over flanges of zinc control joints, corner beads, and metal trim. Spot fastener heads. After fill coat has set, apply finishing coat of DURABOND Setting-Type Joint Compound. Completely cover all joints, angles, beads, control joints, and fasteners. After the DURABOND Setting-Type Joint Compound joint has dried, apply one coat of a good-quality oil or latex exterior primer. Then follow with at least one coat of a good-quality latex exterior paint.
Laminating	Apply DURABOND Setting-Type Joint Compound in the prescribed manner to back of face panels to be laminated. Laminate face panels to base layer panels using moderate pressure and temporary nailing or shoring to ensure adequate bond.
Finishing	For painting and decorating, follow manufacturer's directions for materials used.

Product Data

Colour: Natural.
Binder: Vinyl.
Filler: Calcium Sulfate.
Dilution (water): Approximately 7.5 to 10 L/15 kg (13 to 17 pts./33 lbs.). Refer to bag for specific water dilution directions.
Density (dry bulk): 641 kg/m³ (40 lb./ft.³).
Freezing Sensitivity: None after set, but not necessarily dry.
Coverage: Average 35.2 kg/100 m² (72 lb./1000 ft.²) of gypsum panels.
Compliance with Standards: Meet ASTM Standard C475.
Storage: Close open bags as tightly as possible and store in a dry place.
Shelf Life: Up to 6 months under protected storage conditions.
Packaging: DURABOND 45 and 90: 15 kg (33 lbs.) bag; DURABOND 90: 2 kg (4.4 lbs.) box.

Note:
 Products described here may not be available in all geographic markets. Consult your CGC sales office or representative for information.

Warranty:
 Since methods and conditions of application and use are beyond our control, our warranties of FITNESS and MERCHANTABILITY, and any other warranties, express or implied (including warranty against latent defects), made in connection with the sale of these products and systems, SHALL NOT BE EFFECTIVE OR ACTIONABLE UNLESS the products and systems are applied according to our current printed directions and specifications.

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Safety First!
 Follow good safety and industrial hygiene practices during handling and installing of all 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.