



CGC DURABOND® BRAND SETTING-TYPE JOINT COMPOUNDS

DATA SHEET



DESCRIPTION

FOR ONE DAY DRYWALL FINISHING

- Unique humidity resistance
- Exceptional bond, low shrinkage
- Choice of setting times

CGC Durabond® Brand Setting-Type Joint Compounds are nonasbestos, chemically setting powder compounds for interior gypsum panels and can be used to finish joints on approved panels for exterior ceiling applications, permit same day joint finishing and usually next day decoration. CGC 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, CGC Durabond Compounds can be used for filling, smoothing and finishing interior concrete ceilings and above-grade concrete and for taping and finishing CGC Sheetrock® Brand Gypsum Panels. Another use for CGC Durabond Compounds is presetting joints of veneer plaster finish systems.

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

ADVANTAGES

SAVES TIME AND MONEY: These compounds provide important labour 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

1. CGC 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 CGC 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 7 °C (45 °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 CGC Sheetrock® Gypsum Panels in accordance with manufacturer's recommendations. Mix CGC Durabond Setting-Type Joint Compound according to directions on bag. If using CGC Sheetrock® Gypsum Panels SW Edge, prefill the "V" grooves formed by abutting tapered eased edges of the panels with CGC Durabond 45 or 90. Apply compound directly over "V" groove with a flexible 125 mm or 150 mm (5" or 6") 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 0.8 mm (1/32") 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") beyond first coat. After setting, apply third coat, feathering out approximately 50 mm (2") 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 Drywall Paint 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 CGC Sheetrock® Brand 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.)



DIRECTIONS (CONTINUED)

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 610 mm (24") o.c. with single-layer gypsum base and single coat veneer plaster finish are specified in either rapid or normal drying conditions, use CGC Drywall Joint Tape embedded with CGC Durabond® Brand 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 CGC 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 CGC Durabond Setting-Type Joint Compound. Apply additional coats of CGC 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 Drywall Paint or a good quality latex flat wall paint with high-solids content over entire surface and allow to dry. For textured ceilings, apply CGC Sheetrock® Brand Ceiling Spray Texture in a uniform coat at a rate not exceeding 2 m²/kg (10 ft.²/lb.).

EXTERIOR JOINT TREATMENT

Mix CGC Durabond Setting-Type Joint Compound according to directions on the bag. Do not overmix or use in temperatures below 7 °C (45 °F). Prefill tapered edges of CGC Sheetrock®/CGC Securock® brand panels approved for exterior application with CGC Durabond Setting-Type Joint Compound. After prefill has set, embed CGC Drywall Joint Tape centered over joint. When compound has set, immediately apply fill coat. Apply CGC 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 CGC Durabond Setting-Type Joint Compound. Completely cover all joints, angles, beads, control joints, and fasteners. After the CGC 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 CGC 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)	Approx. 7.5 to 10 L/15 kg (13 to 17 pts./33 lb.). Refer to bag for specific water dilution directions.
Dilution (dry bulk)	641 kg/m ³ (40 lb./ft. ³)
Freezing Sensitivity	None after set, but not necessarily dry
Coverage	Average 35.2 kg/100 m ² (72 lb./1000 ft. ²) of gypsum panels
Shelf Life	Up to twelve months under protected storage conditions
Storage	Close opened bags as airtight as possible. Store in cool, dry place.
Packaging	CGC Durabond 45 and 90: 15 kg (33 lb.) bag; CGC Durabond 90: 2 kg (4.4 lb.) bag

COMPLIANCE

Meets ASTM standard C475.

PRODUCT INFORMATION
See cgcinc.com for the most up-to-date product information.

WARNING
Spraying mist or dust created from product may cause eye, skin, nose, throat, or upper respiratory irritation. Coating VOC = less than 0.1g/L. Avoid inhalation of mist or dust. Use in a well-ventilated area. Wear a NIOSH/MSHA approved respirator when dusty, misty, or if spray applying. Use proper ventilation to reduce mist/dust exposure. Prolonged and repeated exposure to respirable

crystalline silica may cause lung disease. Wear eye protection. If contact occurs, immediately flush thoroughly with water for 15 minutes. If irritation persists, call physician. Wear long sleeved work clothing to prevent skin irritation. Wash thoroughly with soap and water after use. Do not ingest. If ingested, call physician.
KEEP OUT OF REACH OF CHILDREN

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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/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation.

