

# HIGH STRENGTH BRAND CEILING BOARD

## MANUFACTURER

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## DESCRIPTION

1/2" High Strength BRAND Ceiling Board is a specialty gypsum board with increased uniformity and integrity of its gypsum core, making its sag resistance equivalent to 5/8" type X wallboard.

## BASIC USES

High Strength Ceiling Board is specifically designed for ceilings where framing members are spaced up to 24" o.c. and a water-based texture will be used.

## ADVANTAGES

- Available nationwide as a stocked item at all National Gypsum Co. gypsum plants.
- Excellent working characteristics, improved score and snap properties reduce the need for rasping.
- Excellent sag resistance. Witnessed test results show overall sag on tested assembly to be equivalent to 5/8" type X wallboard. Test report available upon request.
- Eliminates need for two wallboard sizes on the job. Scrap from ceiling is reduced since this material also can be used on the walls.
- Greater nail-holding power.

## LIMITATIONS

- Not recommended for high moisture areas: baths, saunas, steam rooms. Prime with sealing latex primer and allow to dry thoroughly. Apply insulation and polyethylene vapor barrier (if used) before installing ceiling board. Insulation not to exceed 2.2 lbs./square foot (8.5 kg/M<sup>2</sup>). Adequate ventilation required.

- High Strength Ceiling Board must be stored off the ground and under cover. Sufficient risers must be used to assure support for the entire length of the wallboard to prevent sagging.
- Not to be exposed to temperatures exceeding 125°F (52°C) for extended periods of time.
- Installing Gypsum Wallboard panels over an insulating blanket, installed continuously across the face of the framing members, is not recommended. Blankets should be recessed and flanges attached to the sides of the studs or joists.

## COMPOSITION & MATERIALS

High Strength Ceiling Board is a manufactured panel with a gypsum core encased in paper and contains no asbestos.

## ACCESSORIES

Fasteners: drywall screws, nails or adhesives  
Joint tape  
Joint compound  
Furring channels  
E-Z Strip control joints  
.093 zinc control joint

## SIZES

Thickness: 1/2" (12.7 mm)  
Width: 4' (1219 mm)  
Length: Standard stocked length 12' (3658 mm).

Other lengths from 6' (1829 mm) through 16' (4877 mm) are available with a lead time and minimum order requirement.

Contact your local National Gypsum sales representative for details.

## APPLICABLE STANDARDS

ASTM C 36 / C 1396  
Federal specification SS-L-30D  
Type III, Grade R, Class 1

## TECHNICAL DATA

In independent tests, High Strength Ceiling Board exhibited an average sag of only .033" (approx. 1/32") on joists spaced 24" on center with a spray texture applied. This test was conducted over one month at temperatures between 66°-79°F (19°-26°C) and relative humidities between 30%-60%. (Reference: PSI report #722600-R71 March 25, 1991)

Under the strict ASTM C-473 Physical Testing for Humidified Deflection, High Strength Ceiling Board exhibited sag-resistant properties significantly greater than 5/8" regular wallboard and equal to 5/8" type X wallboard.

## SURFACE BURNING CHARACTERISTICS

ASTM E 84  
Flame spread index: 15  
Smoke developed: 0

## INSTALLATION

### APPLICABLE STANDARDS AND REFERENCES

ASTM C 840  
Gypsum Association GA-216  
National Gypsum Co. *Gypsum Construction Guide*

### RECOMMENDATIONS

Installation of High Strength Ceiling Board is the same as for Gypsum Wallboard and should be consistent with methods described in the noted standards and references.

(Continued next page)

Job Name \_\_\_\_\_

Contractor \_\_\_\_\_ Date \_\_\_\_\_

Submittal Approvals: (Stamps or Signatures)

## DECORATION

For best painting results, all surfaces, including joint compound, should be clean, dust-free and not glossy. To improve fastener and joint concealment, a coat of a quality primer is recommended to equalize the porosities between surface paper and joint compound. Drywall primer is a product specially formulated for this purpose.

The selection of a paint to give the specified or desired finished characteristics is the responsibility of the architect or contractor.

Gypsum Wallboard that is to have a wallcovering applied to it should be prepared and primed as described for painting.

Gypsum Association GA-214, Recommended Specification for Levels of Gypsum Board Finish, should be referred to in order to determine the level of finishing needed to assure a surface properly prepared to accept the desired decoration.

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