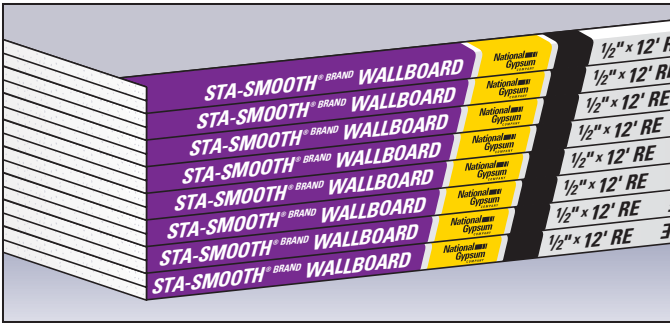


STA-SMOOTH® BRAND WALLBOARD



GENERAL INFORMATION

Sta-Smooth is a drywall system offering maximum joint strength and easy application. It can be used in any gypsum drywall system where conventional types of gypsum wallboard are recommended. This system features Sta-Smooth gypsum wallboard with a unique edge. The two edge configurations relieve joint deformity, damaged wallboard edges, poor alignment and extremes in humidity and temperature.

The Sta-Smooth System produces a superior joint because the Sta-Smooth compound is a hardening-type compound that is not affected by humidity once it has hardened and dried. It also maintains its hard core even with moisture added by the use of the regular joint compounds for the finishing work. Sta-Smooth compound firmly bonds the tape to the board and the panel "V" edges to each other, making a strong, rigidized joint.

FEATURES/BENEFITS

- Improved durability — The Sta-Smooth System produces a smooth, flat, durable surface that relieves beading, ridging and other joint deformity problems.
- Greater speed — All flat joints in the Sta-Smooth System are filled and taped with Sta-Smooth Compound in one easy operation, the same as conventional wallboard application methods.

- Alignment — Sta-Smooth board, with its unique edge (either configuration), allows easy alignment of the panels in the same way as conventional tapered-edge wallboard. The taper is scientifically designed to reduce crowned joints.
- Stronger bond — The bonding area of the Sta-Smooth joint compound increases with the "V" edge panels.
- Strength — The Sta-Smooth joint shape and the joint compound provide greater mass and integral bond for increased strength.

SPECIFICATIONS

- Thickness:** 1/2"
ASTM permissible variations: In the nominal thickness of +/- 1/64" (0.4 mm) with local variations of +/- 1/32" (0.8 mm) from the nominal thickness.
- Width:** 4'
ASTM permissible variation: +0", - 3/32" (2.4 mm)
- Lengths:** 6'-16' (1/2" increments)
ASTM permissible variation: +/- 1/4" (6.4 mm)
- Corners:** Square
ASTM permissible variation: +/- 1/8" (3.2 mm) in the full width of the board
- Edges:** Tapered with bevel
- Weight:** Approximately 1.7-1.8 lbs./sf

AVAILABILITY

Contact National Gypsum Company or your local distributor.

TECHNICAL DATA

- Gold Bond Sta-Smooth components must be used with each other to achieve full performance benefits.
- Application, except as modified herein, shall be in accordance with ASTM C 840.

ASTM E 84 Surface Burning Characteristics
(Fire Hazard Classification)
Flame Spread: 15
Smoke Developed: 0

GENERAL APPLICATION

Note: If blown-in cellulose insulation is used, take care to follow insulation manufacturer's specifications on addition of water. Excess moisture in this insulation can cause Sta-Smooth Wallboard to sag.

CEILING

Maximum spacing of framing for regular 1/2" gypsum wallboard ceiling surfaces to be decorated with water thinned spray texture shall not exceed 16" o.c.

Foam Method: After ceiling trusses are placed on the gypsum board, foam adhesive should be applied as recommended per the manufacturer's instructions.

To minimize foam leakage, the back of each joint may be taped with 3/4" masking tape prior to applying foam.

Staple Method: Staples (16 gauge with 1" crown and 1-1/2" legs) must be spaced 4" o.c. around the perimeter of the board, either parallel or stitched, and 1/4" in from both ends. Screws in the field of the board should be 1-1/4" to 1-1/2" drywall screws with maximum spacing of 12" o.c. Adjust tools properly so screws, nails and staples are driven straight and flush with the board surface, without breaking the face paper of the gypsum board.

Insulation should not exceed 1.3 lbs./sq. ft. (6.3 kg/m²).

For specific applications and shear values, please refer to section titled "Shear Tests."

Note: National Gypsum Company recognizes that some manufacturers normally use 1/2" Sta-Smooth gypsum board in installations with 24" o.c. rafter spacing. While shear tests have been conducted to allow its use in this application, National Gypsum does not recommend or warrant this application due to the possibility of ceiling sag.