

Gold Bond® STA-SMOOTH DRYWALL SYSTEM

- MANUFACTURER

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- DESCRIPTION

Sta-Smooth Drywall System offers maximum joint strength and easy application. The Sta-Smooth System is composed of Sta-Smooth Gypsum Wallboard, a gypsum panel with a specially designed edge shape; Sta-Smooth Joint Compound, a hardening-type taping compound; and regular Gold Bond tape and finishing compounds.

BASIC USE

The Sta-Smooth Drywall System can be used in any gypsum drywall system where conventional types of gypsum wallboard are recommended. This system features Sta-Smooth gypsum wallboard with either a taper-beveled edge or a round edge (available in the upper Midwest). Both edge configurations relieve joint deformity problems caused by twisted framing, damaged wallboard edges, poor alignment and extremes of humidity and temperature.

ADVANTAGES

- Durability. The Sta-Smooth System produces a smooth, flat, durable surface that relieves beading, ridging and other joint deformity problems.
- Speed. All flat joints in the Sta-Smooth System are filled and taped with Sta-Smooth Compound which is available in set times of 20, 45, 90 and 210 minutes. Sta-Smooth Compound or regular compounds can be used to tape inside corners, cover cornerbeads and spot fasteners. Regular Gold Bond finishing compounds are used for the remaining finishing coats.
- No special equipment. All conventional fasteners, adhesives and gypsum wallboard application tools (T-squares, knives, etc.) can be used to apply Sta-Smooth panels. Nothing new to buy.
- Alignment. Both Sta-Smooth edge configurations allow easy alignment of the panels in the same way as conventional tapered edge wallboard. The edge is scientifically designed to reduce crowned joints.
- Strength. The bonding area of the Sta-Smooth Joint Compound is increased with the "V" edge panels. The Sta-Smooth Joint Compound used to bond the joint tape and fill the joints is a hardening-type, high-density material with low shrinkage characteristics.

- Butt joints. Recommended with the Sta-Smooth System is an improved technique for providing a smoother, flatter, stronger butt joint. Although this technique could be used in conventional drywall work and produce better butt joints, it is further improved by the use of the high-strength Sta-Smooth Compound.

- Scheduling. Taping with Sta-Smooth Compound and applying the first finishing coat, even before the Sta-Smooth used for taping has dried, allows easier job scheduling for the drywall contractor and finisher. This is particularly advantageous under slow drying conditions.

LIMITATIONS

- Exposure to excessive or continuous moisture and extreme temperatures should be avoided. Sta-Smooth Wallboard is not recommended where it will be exposed to temperatures exceeding 125°F (52°C) for extended periods of time.

- To prevent objectionable sag in gypsum paneled ceilings, the weight of overlaid unsupported insulation should not exceed the following recommendations:

PSF (Pounds per Sq. Ft.) - 1.3 (6.3 kg/M2)
Type - 1/2" Regular, 1/2" Fire Shield
Frame Spacing - 24" o.c.

PSF (Pounds per Sq. Ft.) - 2.2 (10.7 kg/M2)
Type - 1/2" Regular, 1/2" Fire Shield
Frame Spacing - 16" o.c.

PSF (Pounds per Sq. Ft.) - 2.2 (10.7 kg/M2)
Type - 5/8" Fire-Shield
Frame Spacing - 24" o.c.

Panels 3/8" thick must not be overlaid with unsupported insulation. If required, a vapor retarder can also be installed in exterior ceilings, and plenum or attic spaces should be properly vented.

- Installing Sta-Smooth 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.

- Sta-Smooth Wallboard 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.

- Sta-Smooth Wallboard should be kept dry. However, if wallboard is wetted by rain or other clean water, it will generally regain its full strength and fire resistive qualities if it is allowed to fully dry with good airflow and ventilation conditions. Drying time should not be accelerated by aiming heat sources directly at the wallboard.

COMPOSITION & MATERIALS

Sta-Smooth Wallboard is a manufactured panel with a gypsum core encased in paper. Various aggregates such as fiberglass are added to the core to enhance the fire resistive qualities. Available with a type X (Fire-Shield or Fire-Shield G) Core.

Contains no asbestos. Sta-Smooth Joint Treatment Compounds may contain any of the following:

Component - Quartz
CAS No. - 14808-06-7

Component - Mica
CAS No. - 12001-26-2

Component - Talc (non-asbestiform)
CAS No. - 14807-96-6

Component - Perlite
CAS No. - 93763-70-3

Component - Attapulgate Clay
CAS No. - 12174-11-7

Component - Plaster of Paris
CAS No. - 10034-76-1

Component - Calcium Carbonate
CAS No. - 1317-65-3

Component - Bentonite Clay
CAS No. - 1302-78-9

Component - Polyvinyl Alcohol
CAS No. - 25213-24-5

Component - Gypsum
CAS No. - 10101-41-4

Joint treatment compounds: Gold Bond Sta-Smooth Joint Compound (available set times: 20, 45, 90 and 210 minutes) and Sta-Smooth HS Joint Compound (available set times: 20, 30, 45 and 60 minutes). For finishing: Sta-Smooth Lite (available set times: 20, 45, 90 and 120 minutes) and Gold Bond All-Purpose Ready-Mix Joint Compounds .

Topping compound: PoForm All-Purpose Ready-Mix Joint Compound, Easy Finish All Purpose Ready Mix Joint Compound or ProForm Ready-Mix Topping Compound, Easy Finish Ready-Mix Topping Compound.

None of the components of the Sta-Smooth Drywall System contains asbestos.

ACCESSORIES

Joint tape
Cornerbead
Multi-Flex tape
Casing Beads

Sta-Smooth HS tape.

SIZES & TYPES

Width: 4' (1200 mm)

Lengths: 8' through 12' (2400-3600 mm)

Thickness - 1/2" (12.7 mm) Regular and Fire-Shield G

5/8" (15.9 mm) Fire-Shield

APPLICABLE STANDARDS

ASTM C 36

- TECHNICAL DATA

SURFACE BURNING CHARACTERISTICS

ASTM E 84

Flame spread: 15

Smoke developed: 0

- INSTALLATION

APPLICABLE STANDARDS AND REFERENCES

ASTM C 840

Gypsum Association GA-216

Gypsum Association GA-214

National Gypsum Co. Gypsum Construction Guide

Sta-Smooth Gypsum Wallboard may be used with any of the Gypsum Drywall Systems described in National Gypsum Co. Gypsum Construction Guide or in Sweet's Architectural Catalog File 09250/GOK.

Gold Bond Sta-Smooth System components must be used with each other to achieve full performance benefits.

Installation of Sta-Smooth Gypsum Wallboard should be consistent with methods described in the noted standards and references and as indicated below.

Refer to additional cautions on compound containers.

RECOMMENDATIONS

Panel application: Position each Sta-Smooth panel so that the long edges are in light contact with the edges of the previous panels. All panels positioned to form butt joints should have a gap approximately 1/16" between the panel ends. This spacing can be assured by driving two extra fasteners at the end of the board to act as temporary spacers before abutting the next panel. When the panels are fastened in place, drive the temporary spacers flush with the surface. When wallboard is applied horizontally, recess all butt joints on the job by shimming the face of the studs (or joists), on both sides of the studs or joists on which the joint will fall. The shim can be

pressed paper, thickness of building felt or other suitable materials not to exceed 1/16" thickness and as wide as the stud or joist. It should be 6" longer than the butt joint and applied to the face of the stud or joist with staples or nails allowing the shim to extend under the edge of the abutting panels of wallboard to assure that the panel facings remain on the same plane.

Corners and openings: All exterior corners and all openings that require joint treatment receive protective reinforcement of Gold Bond Multi-Flex tape bead, steel cornerbead or steel casing bead as required.

Treatment of joints: (taper-beveled edge Sta-Smooth wallboard).

Joints are taped with Sta-Smooth Joint Compound, making sure that a sufficient amount of compound is forced into the "V" joint and spread under the tape to form a solid foundation for the finishing coats.

1. As soon as the Sta-Smooth Joint Compound used for taping has hardened, the first finishing coat can be applied even when the Sta-Smooth Compound is still wet.
2. When the first finishing coat is completely dry, the second finishing coat is applied. Any of the Gold Bond Joint Compounds may be used for the finishing coats.
3. Sta-Smooth Joint Compound is recommended for the first coat on nail or screw heads. Regular finishing compounds may be used for subsequent spotting of the fasteners. Sta-Smooth Joint Compound is also recommended for the first coat on cornerbead and followed by one or more finishing coats as required of regular Gold Bond joint or topping compounds.
4. The inside corners may be treated with any of the Gold Bond joint treatment compounds recommended for taping. If a two-trip joint treatment operation is planned, the inside corners are taped with Sta-Smooth Joint Compound. This will permit finishing one side of the inside corners the first day. Cornerbead is treated with Sta-Smooth Joint Compound if a two-trip operation is employed.

Alternate method: When mechanical tools are to be used for taping flat joints, Sta-Smooth Joint Compound is used to fill the "V" joint only. Other Gold Bond joint compounds are then used to bed the tape and finish the joints.

Treatment of joints: (round edged Sta-Smooth wallboard -- available in Michigan, Illinois, Wisconsin, Minnesota and Iowa).

Mix Sta-Smooth Joint Compound according to package instructions.

Pre-fill all joints formed by the abutting round edge of the wallboard with compound using a conventional joint finishing knife. Fill the joints, level and wipe off excess compound to the lowest level of the taper, allowing enough room for embedding the tape. Allow the pre-fill material to harden before applying the tape and bed coat.

Finish the joints using the same methods indicated above for taper-bevel edge wallboard.

DECORATION

Before paint, wallcovering or other decorating materials are applied, all areas must be thoroughly

dry, dust free and treated with a coat of good-quality, high solids, flat latex primer.

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 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.