

STA-SMOOTH® BRAND JOINT COMPOUND

MANUFACTURER

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DESCRIPTION

Sta-Smooth® BRAND Joint Compound is a setting/hardening type compound that is not affected by humidity once it has set and dried.

BASIC USES

Sta-Smooth Compound was developed specifically for use with Sta-Smooth Gypsum Wallboard to reduce joint deformities such as ridging and beading problems. Sta-Smooth Compound firmly bonds the tape to the board, and the panel "V" edges to each other, making a strong, rigid joint.

Sta-Smooth Compound may be used with conventional wallboards where a shortened joint finishing time is desired.

Sta-Smooth Compound is used as a prefill material for gaps in gypsum wallboard construction that are wider than recommended and also in voids in above-grade interior concrete.

ADVANTAGES

- Greater strength
- Easy mixing
- Easy application
- Stronger bond
- Not affected by humidity and moisture when hardened and dried
- Low shrinkage
- Easy scheduling

LIMITATIONS

- Not to be applied over moist surfaces or surfaces subject to moisture.
- Do not mix with any other material. Use only clean, drinkable water.

- Mixing equipment and tools must be thoroughly cleaned between batches.
- Each fresh batch of compound must be kept free of previous batches; otherwise the working life will be shortened.
- High-speed mixing or excessive mixing will shorten the working life of the Sta-Smooth Compound.
- Do not add water or remix after compound begins to thicken and harden.
- Storage life in high humidity area is 6 months; other areas up to 12 months maximum.

COMPOSITION & MATERIALS

Contains no asbestos. May contain any of the following:

Component	CAS No.
Quartz	14808-06-7
Mica	12001-26-2
Talc (non-asbestiform)	14807-96-6
Perlite	93763-70-3
Attapulgitic Clay	12174-11-7
Plaster of Paris	10034-76-1
Calcium Carbonate	1317-65-3
Bentonite Clay	1302-78-9
Polyvinyl Alcohol	25213-24-5
Gypsum	10101-41-4

ACCESSORIES

Joint tape
Cornerbead
Multi-Flex tape bead
Casing beads (100, 200, 500)
E-Z Strip control joint
Sta-Smooth HS fiberglass Tape
Arch cornerbead

TYPES

Sta-Smooth Compound is available in 20, 45, 90 and 210 minute set times. Other set times are available on special order.

PACKAGING

25 lb. (11.3 kg) bags

APPLICABLE STANDARDS

ASTMC 475
Federal Specification SS-J-570B

TECHNICAL DATA

Coverage: 45-50 lbs./1,000 sq. ft.
(22-29 kg/100 M²)

INSTALLATION

APPLICABLE STANDARDS AND REFERENCES

ASTM C 840
Gypsum Association GA-216
Gypsum Association GA-214
National Gypsum Co. Gypsum Construction Guide

RECOMMENDATIONS

In cold weather (outside temperature below 50°F [10°C]), temperatures within the building should be maintained at a minimum 50°F (10°C), both day and night, during joint finishing. Adequate ventilation should be provided to eliminate excess moisture. Installation of Sta-Smooth Joint Compound should be consistent with methods described in the noted standards and references and as indicated below.

Conventional Taping and Finishing:

Fill joint and bed tape simultaneously. All flat wallboard joints are to be filled and taped in one operation with Sta-Smooth Compound, using ProForm® BRAND Paper Tape in the conventional manner. When self-adhering fiberglass mesh tape is used, it is firmly pressed to the wallboard, spanning the joints. Sta-Smooth Compound is then immediately applied to the joints. The compound must be forced through the tape to fill the channel formed by the "V" edges of the Sta-Smooth Wallboard.

(Continued next page)

Job Name _____

Contractor _____ Date _____

Submittal Approvals: (Stamps or Signatures)

All inside corners may be taped using appropriate joint compounds. Sta-Smooth Compound is used for the first coat on nail or screw heads and will decrease problems with fastener imperfections. If a two-trip application method is desired, Sta-Smooth Compound may also be used for the first coat on cornerbead and for taping inside corners.

First finishing coat: As soon as the Sta-Smooth Compound used for taping has hardened, the first finishing coat may be applied on the flat joints even before they are dry. Any joint compound may be used for this operation. A second coat may be applied at this time to nail or screw heads; one coat on one side of the inside corners and a second coat on cornerbead if Sta-Smooth Compound was used for the first coat.

Second finishing coat: As soon as the compounds used for the previous steps have thoroughly dried, a second finishing coat is applied to all flat joints using joint compound or topping compound. A third coat is applied over nail or screw heads and on cornerbead as required. The unfinished side of the inside corners is also finished at this time.

Taping and Finishing With Mechanical Tools

Taping: Taping tools such as the "banjo" and "hooper" types are recommended for taping the flat joints with Sta-Smooth Compound and the inside corners with regular or Sta-Smooth joint compounds. Automatic taping tools are not recommended for use with Sta-Smooth Compound because of the clean-up difficulties associated with hardening-type compounds. Mechanical tools can be used for taping the inside corners when a regular joint compound is used. When automatic taping tools are used for taping the flat joints, the "V" formed by the edges of Sta-Smooth board on the flat joints and all space between the wallboard edges on butt joints are prefilled with Sta-Smooth Compound

and allowed to harden (30 minutes longer than the set time designated on the bag) before taping with a regular joint compound.

Finishing: Mechanical-type finishing tools can be used in the normal manner for the finishing operations of the Sta-Smooth System since conventional finishing compounds are used.

Concrete: Interior poured concrete ceilings must be properly prepared prior to filling and finishing. Grind high areas in concrete level with surrounding areas. Remove efflorescence, greasy deposits and any form oil. Prime exposed metal with quality rust-inhibitive primer. Fill voids and level offsets with Sta-Smooth Joint Compound. Apply finishing coats of Sta-Smooth as necessary after each coat has hardened.

Mixing

Sta-Smooth Compound is available in 20, 45, 90 and 210 minute set times. *Mix no more compound than can be applied in the designated set time.* A plastic container is recommended because of its ease in cleaning between batches. **Do not use a wood or aluminum bucket.** Add the compound gradually to clean water while stirring. Use only fresh, clean water suitable for human consumption. Mix at the ratio of 13-14 pints (6-7 L) of water to the 25 lb. (11.3 kg) bag. Mix the compound free of lumps with a mechanical mixer or by hand. Mechanical mixing is recommended. Allow to stand five minutes as a "wetting" period and remix to further improve the working qualities. If a slightly thinner compound is desired, add an additional pint of water, or less, after the compound is thoroughly mixed.

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 primer.

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.

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Excellence Across The Board 