

SHEETROCK® MH Brand Lightweight Setting-Type Joint Compound



Easy-sanding setting-type joint compound provides excellent joint strength and crack-resistance

- Ideal for drywall joint finishing when the application requires sanding.
- Sets quickly for rapid joint finishing and decorating.
- Lightweight for easy application and sanding.
- Strong bond and low shrinkage.
- Exceptional crack-resistance in heavy fills.
- Mixes very easily and lump-free.

Description

SHEETROCK® MH Brand Lightweight Setting-Type Joint Compound (TUF-SET™ Lite) is an easy-sanding, low-consistency, chemically hardening powder compound that is specifically designed for the time-sensitive requirements of Industrialized Construction. This formulation sets quickly so that joints can be finished and decorated in a matter of hours. The compound provides excellent joint strength and crack-resistance when used with SHEETROCK MH Brand Joint Tape. Ideal for use in applications requiring an easy sanding joint compound. SHEETROCK MH Brand Lightweight Setting-Type Joint Compound (TUF-SET Lite) is up to 20% lighter for easy handling and sands easily for fast, smooth finishing. It provides excellent check-crack resistance in heavy fills as well as strong bond and very low shrinkage.

Limitations

- 1 Hardening action cannot be delayed or prevented by dilution with water.
- 2 Not to be applied over moist surfaces or surfaces likely to become moist, on below-grade surfaces, or on surfaces projecting outside the building structure unless protected from direct exposure to moisture.
- 3 Not for use as a taping coat when using leno-weave fiberglass mesh tape.

Installation

Mixing

Before mixing compound, position and apply SHEETROCK® MH Brand Gypsum Panels in accordance with manufacturer's recommendations. Make sure that mixing equipment is clean; set compound from previous batches will shorten the working time of new material. Use only clean, drinkable water. Also, over-mixing or mixing at too high a speed can shorten set times and entrain air in the mixture. Limit mixer speed to 400 rpm maximum under no-load conditions.

Place the amount of water recommended on the compound packaging in a clean 5-gallon pail. Sift in one bag (18 pounds) of compound and mix for approximately 30-45 seconds, or until relatively smooth. Allow the compound to stand (soak) for one minute, then remix the material and adjust the viscosity using a maximum of 1/2 to 1 pint of water. Stir until consistency is smooth and uniform.

Note: The cooler the conditions, the longer the soak-time needed. If the compound thickens during application before setting, allow a longer soak time. Do not add too much water during mixing.

Application

Apply SHEETROCK MH Brand Joint Tape (TUF-TAPE) to joints (see publication MH1178 for additional information on joint tape). Apply compound with a drywall knife/trowel, forcing the compound through the tape so that it makes contact with the gypsum board, completely filling and leveling the joint. Failure to completely fill the joint may result in cracking. Feather butt joints approximately 14" wide. Apply compound in conventional manner to inside corners and smooth with a corner tool. Apply compound to corner beads and fastener heads. Allow to harden. Shave off tool lap marks and other protrusions using a drywall knife as a plane. Apply second coat over joints, beads, and fastener heads. Use 10" or 12" drywall knife over flat joints. Feather butt joints to width of 16" to 20". Let compound dry and sand lightly as required.

Painting or texturing not recommended before compound has set (hardened). For best decorating results, apply a prime coat of SHEETROCK® First Coat or an undiluted, good quality interior latex flat wall paint with high solids content once joint compound has set. Allow prime coat to dry before painting or texturing. **Note:** Vapor retarder paints may be used in place of drywall primer. However, experience has shown that certain VR paint formulations interfere with the setting action of joint compounds. This can lead to low strength, and can cause stress cracking. Before applying VR paints, make sure joint compound is fully set.

Product Data

Color: Off-white.
Binder: Vinyl.
Filler: Calcium sulfate.
Contains no asbestos.
Dilution (water): 10-12 pts. per 18 lbs. (4.7-5.6 L per 8.1 kg).
Freezing Sensitivity: Once compound has set (it need not be completely dry), there is no freezing sensitivity.
Coverage: 50 lb. /100 ft.² (24 kg/100 m²) of gypsum panels.
Storage: Close open bags as tightly as possible and store in a dry place.
Shelf Life: Up to 6 months under protected storage conditions.
Packaging/Compound: 18 lb. (8.1 kg) bag.
Packaging/Tape: 250 ft. (76 m) roll.

Working and Setting Time: One of the most important considerations when choosing a setting-type compound for a particular situation is matching working-time and setting-time ranges to the cycle-time of the production line in question. Remember that working time and setting time are NOT the same. *Working time* refers to the period during which compound is suitable for application; at the end of this time, the material begins to stiffen and can no longer be spread smoothly. *Setting time*, on the other hand, refers to the time after which compound will become sufficiently hardened so that another coat may be applied, or so that the assembly may be moved. You must take *both* ranges into account when choosing the product to use on a specific line. The working time range should correspond to the application time needed, while the setting time range should match your schedule for moving an assembly along the line.

For USG's SHEETROCK MH Brand Joint Compounds, the following chart provides the working- and setting-time ranges that correspond to specific grades of compound. (Because it is physically impossible to control setting-time characteristics to the exact minute, time *ranges* are typically used when discussing setting-type joint compounds.)

Working and Setting Time Ranges (in minutes)		
Grade	Working Time	Setting Time
15	7-12	10-18
20	10-20	15-25
30	15-30	25-35
45	25-50	35-55
60	40-80	55-85
90	60-125	85-130
210	150-220	180-240

WARNING

When mixed with water, this material hardens and then slowly becomes hot. DO NOT attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions may cause severe burns that may require surgical removal of affected tissue. When applying or sanding, wear safety glasses or goggles for eye protection. If eye contact occurs, flush thoroughly with water for 15 minutes to remove particles. If irritation continues, consult physician. Use wet-sanding technique to avoid creating dust. While mixing or dry sanding or if dusty conditions exist, wear a NIOSH/MSHA-approved respirator. Dust

created when dry sanding or mixing may cause eye, nose, throat, or upper respiratory irritation. If irritation continues, consult physician. Do not ingest. Product safety information: (800) 507-8899.

KEEP OUT OF REACH OF CHILDREN.

Trademarks:

The following trademarks used herein are owned by United States Gypsum Company: SHEETROCK, TUF-SET, TUF-TAPE.

Note:

Products described here may not be available in all geographic markets. Consult your U.S. Gypsum Company sales office or representative for information.

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