

CertainTeed

High Density

High Strength Setting Compounds

Product Data and Submittal

Product Description

CertainTeed High Density Setting Compounds are used to embed joint tape and to conceal joints, fasteners and trim accessories on gypsum wallboard. Recommended for heavy fills or when exceptional bond is necessary. It is specially formulated to harden with very little shrinkage. This enables drywall joints to be taped and first coated with High Density, and once set, the joints can be finished with Drywall All-Purpose Compound — all in the same day.

- **High Density 20**
- **High Density 45**
- **High Density 90**

Product Data

Colour: Off-White

Packaging: 33 lbs (15 kg) bags

Coverage: Approximate coverage is 32 kg(70 lb) of powder per 93 m² (1000 ft²) of drywall panel.

Storage: Rotate stock to avoid aging problems. Use within 60 days of delivery. Store in a dry location. Keep away from moisture. Opened bags should be closed tightly before storage.

Shelf life: 6 months from production code date when stored properly.

Technical references: For additional information on the application and finishing of Joint Compounds please consult:

- ASTM C 475: Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board.
- ASTM C 840: Standard Specification for Application and Finishing of Gypsum Board.
- GA-214: Gypsum Association publication “Levels of Gypsum Board Finish.”
- GA-216: Gypsum Association publication “Recommended Specifications for the Application and Finishing of Gypsum Board.”

Working with the Product

Joint finishing

Wallboard joints are normally finished using three coats of compound; the first to prefill the joint and embed the tape; the second to cover the tape, and the third to finish the joint. CertainTeed Setting-Type Compounds can be used for embedment and first coat. The third coat is typically done using CertainTeed Ready-Mixed Drywall All-Purpose Compound.

For joint reinforcement the use of mesh tape is recommended.

Apply the first coat to the joint in a band about 64 mm (2-1/2") wide. Centre tape over joint and embed with a broad knife. Allow to set, as per product specifications on the package.

Precautions

- These compounds generate heat, as they harden. Keep the compound away from exposed skin during the hardening process to prevent burns.
- Do not apply or re-mix after it has started to set.
- Compound must be applied to a clean, dry surface.
- Use is limited for above grade applications.
- Do not apply to any surface exposed directly to moisture.
- Always provide proper ventilation.
- When mixing and/or dry sanding, wear safety glasses and NIOSH/MSHA approved dust mask.
- When High Density first hardens, it is still wet inside and should not be painted until it is completely dry throughout.
- High Density must be smoothed before it hardens because it is difficult to sand. Do not use High Density as a finish coat or in any application where it must be sanded after drying.

Continued on back

Job Name

Contractor

Date

Products Specified:

Submittal Approvals
(Stamps or Signatures)

CertainTeed
SAINT-GOBAIN

- Keep out of reach of children.

Decorating

For best results, apply a primer-sealer prior to painting or wallpapering.

Note: For severe lighting conditions, or if a gloss paint is to be applied as the finish coat, it is recommended that the entire surface of the wallboard receive a skim coat of compound before applying the primer-sealer. This will assist in equalizing the rate of absorption of the gloss paint and help to avoid flashing at the joints.

Mixing

1. Mix only as much compound as can be applied with the indicated time frames.
2. To prepare contents of a 11.3 kg (25 lb) bag, pour approximately 5 L (1.3 gallons) of clean, cold water into a clean pail of suitable size.

To prepare contents of a 15 kg (33 lb) bag, pour approximately 7 L (1.85 gallons) of clean, cold water into a clean pail of suitable size.

3. Add compound to water. Do not stir too vigorously, nor too long. Excessive mixing shortens the working time. Adjust to desired consistency. The correct consistency is a smooth creamy mixture.

Setting Times

Setting Compound	Setting Times (Minutes)
20	20-40
45	30-80
90	80-120

Drying time

When compound first hardens, it remains wet inside. Wait 24 hours before painting or until dry.

MSDS

MSDS Material Safety Data Sheets are available on our web site, www.certainteed.com.

Warning

Dust generated from sanding product may cause eye, skin, nose, throat or respiratory irritation. Use wet-sanding to avoid creating dust. Avoid inhalation of dust and eye contact. Product contains silica. Inhalation of respirable silica dust can cause silicosis, a potentially disabling lung disease, known to cause lung cancer. When sanding, drilling or abrading product during installation or handling: (1) Ensure adequate ventilation. (2) Wear a dust mask or, if dust may exceed PEL, use NIOSH/MSHA approved respirator. (3) Warn others in area. (4) Wear eye protection. If eye contact occurs, flush with lukewarm, gently flowing water for 5 minutes or until particle/dust is removed.

For further information, refer to Material Safety Data Sheet or consult manufacturer by calling 1-800-327-7455.

KEEP OUT OF REACH OF CHILDREN.

Warranty

Since methods and condition of application such as temperature, humidity and over thinning are beyond our control, CertainTeed Gypsum Canada, Inc. (CertainTeed) will not be responsible for the failure of this Product when the Product is not used according to directions and specifications and accepted standards of procedure inherent in drywall application; or when reasonable allowance is not made by the user for adverse weather and job conditions. However, if this product proves to be defective, maximum liability shall be limited to replacement of the material only or refund of the purchase price. This shall be the full limit whatsoever of CertainTeed's liability. All claims shall be submitted in writing to CertainTeed within thirty days from the date of discovery. Provincial or Federal laws may provide rights in addition to this warranty that cannot be modified or excluded.



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