

CERTAINTEED® RAPID JOINT® SETTING COMPOUND

EASTERN REGION

Job Name _____

Contractor _____

Date _____

Products Specified _____

PRODUCT DESCRIPTION

CertainTeed RAPID JOINT® Setting Compounds are lightweight, sandable setting powders used to prefill joints, embed joint tape and conceal joints, fasteners and trim accessories on drywall. They can also be used for interior patching and repair. They are ideal for heavy fills because they are specially formulated to harden with very little shrinkage in a prescribed time frame. Setting times are available from 20 minutes to 210 minutes. CertainTeed Ready-Mix Compounds may be used for the final coat in finishing the drywall.

- CertainTeed RAPID JOINT® 20**
- CertainTeed RAPID JOINT® 45**
- CertainTeed RAPID JOINT® 90**
- CertainTeed RAPID JOINT® 210**

FEATURES AND BENEFITS

- Superior Bond
- Lightweight
- Low shrinkage
- Sandable

WORKING WITH THE PRODUCT

SITE CONDITIONS

The room temperature should be maintained at 50°F (10°C) for 48 hours prior to application and continuously thereafter until completely dry. This product chemically sets close to the minutes indicated on the bag. Actual set times do vary slightly. Please refer to the Setting Time section for the set time ranges. It is not dry at this point but may be worked upon to complete the drywall smoothing stage. However eventually the joints must be completely dry before continuing to the final decoration step.

Continuous ventilation must be provided to ensure proper drying. When using temporary heating, care should be taken to avoid overheating and high humidity.

JOINT FINISHING

Drywall joints are normally finished using three coats of compound; the first to embed the tape; the second to cover the tape, and the third to finish the joint. CertainTeed sandable Setting-Type Compound can be used for the first and second coats. Although the third coat is typically done with a ready-mix product, the Sandable Setting-Type Compounds can be used as well, providing a full-bodied latex primer is used prior to final decoration.

MIXING

1. Mix only as much compound as can be applied with the indicated time frames.
2. To prepare contents of an 18 lb (8.1 kg) bag, pour approximately 14 pints (6 L) of clean, cold water into a clean pail of suitable size.



PRODUCT DATA

PROPERTIES	
Color	Off-White
Coverage	100 lb (45.5 kg) to 150 lb (68 kg) of joint compound per 1000 ft ² (93 m ²) of drywall depending upon the thickness of joint compound applied.
Shelf Life	12 months from the production code date is to be expected, when properly stored in a dry location. Product may perform fine past this time frame, however a decrease in set times may be experienced.
Storage	Protect joint compounds from freezing and extreme heat. Joint compound should be stored at temperatures above 55°F (13°C) for at least 48 hours prior to application. Do not stack material (cartons or pails) more than 2 pallets high. Rotate stock. Do not store in direct sunlight.

SETTING TIMES

SETTING COMPOUND	SETTING TIMES (MINUTES)
RAPID JOINT® 20	20 – 35
RAPID JOINT® 45	30 – 60
RAPID JOINT® 90	60 – 120
RAPID JOINT® 210	180 – 300

TECHNICAL DATA

APPLICABLE STANDARDS AND REFERENCE	
Standard Specification	ASTM C475
Finishing Guidelines	ASTM C840 / GA-214 / GA-216

Material that has hardened from previous mixes, if allowed to intermix with new batches will accelerate the set time of the future mix.

3. Add compound to water. Do not stir too vigorously, or too long. Excessive mixing shortens the working time. Adjust with water to desired consistency. The correct consistency is a smooth creamy mixture.

APPLICATION

Apply the first coat to the joint in a band about 2-1/2" (64 mm) wide. Center drywall tape over joint and embed with a broad knife.

Apply second coat, feathering it 2" (50 mm) beyond first coat. Allow to dry according to set time.

Note: Apply third coat to joints, fasteners depressions, corner beads and other trim accessories using CertainTeed Ready-Mix Joint Compound. Joint Compounds are suitable for either hand or mechanical tool applications.

SANDING

Allow to dry for 24 hours before sanding. Sanding prior to drying will lead to plugged sandpaper. Often the first and second coats are "knifed" where only the high points are removed with a 6" knife to allow for the application of the final ready mix top coat sooner. Use 120 grit sandpaper and a hand or pole sander. Do not sand the surface of the drywall paper.

DECORATION

For best results, apply a full-bodied latex primer 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 drywall receive a skim coat of ready mix 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.

CLEANING

Clean tools immediately after each use with warm, soapy water then wipe the tool surfaces dry to prevent rust; compound is very difficult to remove from tools once it hardens. Leftover compound should be sealed and stored appropriately.

SDS

SDS Safety Data Sheets are available on our web site, www.CertainTeed.com.

DRYING TIME

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

WARNING

Causes serious eye irritation. Wash hands and exposed skin thoroughly after handling. Wear eye protection (safety goggles) and protective gloves. If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. 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. This product contains Crystalline Silica below 0.1%. 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 the area.

For further information, refer to Safety Data Sheet or consult manufacturer by calling 1-800-233-8990.

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, 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.

BIM/CAD INFORMATION

The BIM and CAD UL fire rated assemblies and sound assemblies can be found on CertainTeed's BIM and CAD Design Studio at bimlibrary.saint-gobain.com/certainteed. CertainTeed's BIM and CAD Design Studio provides BIM and CAD details to many UL fire rated assemblies and sound assemblies in easy to view experience. Plus, downloadable Revit and DWG and PDF CAD Details are available.

SUSTAINABILITY

Sustainable documentation, including recycled content, EPD's, HPD's, VOC Certifications, can be found at saintgobain.ecomedes.com.

NOTICE

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