

# ProForm® Lite Joint Compound

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Technical Information  
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## DESCRIPTION

ProForm® Lite Joint Compound is a vinyl base ready mix lightweight compound produced at our Dallas, TX plant and available throughout the Southwest.

## BASIC USES

### Applications

Lite Joint Compound is designed to be used for taping, finishing joints and cornerbead, spotting fasteners, skimming and textures, and repairing cracks in gypsum walls.

### Advantages

- Approximately 30% lighter than conventional joint compound.
- Reduces shrinkage by up to 33%.
- Lessens pocking and pinholing.
- Pulls and sands easily.
- Covers metal beads in two coats.
- Mold resistant.

## INSTALLATION RECOMMENDATIONS

To ensure the best results, use only products from ProForm Finishing Products together in your construction systems. We do not recommend mixing our products with other brands. All ProForm joint compounds are formulated without asbestos and therefore comply with Consumer Product Safety Standards.

### General

Install Lite Joint Compound according to the methods described in "Applicable Standards and References" and as indicated in this section. Mix thoroughly before using or thinning. If thinner consistency is desired, add clean, drinkable water in 4 to 8 oz. increments not to exceed gallon weight and remix. Excess water may cause product failure. Do not mix with other joint compounds (wet or dry) or other materials.

Use directly from the container for treating fasteners and cornerbeads or for taping and finishing joints. Apply a uniformly thin layer of joint compound over the joint approximately 4" (102 mm) wide. Then center the tape over the joint and embed into the compound, leaving sufficient joint compound under the tape to provide a proper bond. Cover the tape with a thin coat of compound to minimize wrinkling or curling.

Reinforce ceiling, wall angles and inside corner angles with the tape folded to conform to the angle and embedded into the compound. Once the compound is thoroughly dry (approximately 24 hours), cover the joint tape with a coat of all-purpose joint compound or topping compound spread approximately 3" (76.2 mm) on each side and



feathered out at the edges. After this coat is thoroughly dry, apply another coat of all-purpose joint compound or topping compound with a slight, uniform crown over the joint. This coat should be smooth and the edges feathered approximately 3" (76.2 mm) beyond the preceding coat. Coat all inside corners with at least two coats of compound with the edges feathered out.

Apply three coats of compound to all nail or screw head dimples. Apply these coats as applying each coat to the joints. Conceal flanges of gypsum board cornerbead by at least two coats of compound. The first coat should be all-purpose compound. The second coat can be all-purpose or Lite compound feathered out approximately 9" (229 mm) on both sides of the exposed metal nose.

In cold weather (outside temperature below 50°F or 10°C), maintain temperatures within the building at a minimum of 50°F (10°C), day and night, during joint finishing. Provide adequate ventilation to eliminate excess moisture. Wet or damp conditions will slow the drying process. Subsequently, 24 hours drying time between coats may not be sufficient. Adequate drying time is essential to prevent unwanted conditions, such as cracks, from delayed shrinkage.

### Decoration

Paint, wall covering or other decorating materials, all areas must be thoroughly dry and dust free and treated with a coat of good-quality, high solids, flat latex primer.

Selection of a paint to provide desired finish characteristics is the responsibility of the architect or contractor.

Refer to the Gypsum Association, GA-214, *Levels of Finish for Gypsum Panel Products*, to determine the level of finishing needed to assure a surface properly prepared to accept the desired decoration.

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Job Name \_\_\_\_\_

Contractor \_\_\_\_\_ Date \_\_\_\_\_

Submittal Approvals: (Stamps or Signatures)

# ProForm®

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## TECHNICAL DATA

### Physical Properties

**Packaging** **Carton:** 3.5 gal. (13.2 L)

### Approximate Drying Times

| Relative Humidity | Temperature |          |           |           |          |            |          |
|-------------------|-------------|----------|-----------|-----------|----------|------------|----------|
|                   | 32°         | 40°      | 50°       | 60°       | 70°      | 80°        | 100°     |
| 0%                | 38 hours    | 28 hours | 19 hours  | 13 hours  | 9 hours  | 6 hours    | 3 hours  |
| 20%               | 2 days      | 34 hours | 23 hours  | 16 hours  | 11 hours | 8 hours    | 4 hours  |
| 40%               | 2.5 days    | 44 hours | 29 hours  | 20 hours  | 14 hours | 10 hours   | 5 hours  |
| 50%               | 3 days      | 2 days   | 36 hours  | 24 hours  | 17 hours | 12 hours   | 6 hours  |
| 60%               | 3.5 days    | 2.5 days | 42 hours  | 29 hours  | 20 hours | 13.5 hours | 8 hours  |
| 70%               | 4.5 days    | 3.5 days | 2.25 days | 38 hours  | 26 hours | 19.5 hours | 10 hours |
| 80%               | 7 days      | 4.5 days | 3.25 days | 2.25 days | 38 hours | 27 hours   | 14 hours |
| 90%               | 13 days     | 9 days   | 6 days    | 4.5 days  | 3 days   | 49 hours   | 26 hours |
| 98%               | 53 days     | 37 days  | 26 days   | 18 days   | 12 days  | 9 days     | 5 days   |

The chart above is a helpful guide in determining the approximate drying times for joint compounds under a variety of humidity/temperature conditions. Shaded area is below the minimum application temperature requirement of 50°F (10°C) and is not recommended for the application of joint compound.

### Materials Estimating and Coverage

| Sq. Ft. of Wall/Ceiling | Gypsum Board Size |        |        | Joint Compound           | Joint Tape/Ft. | Nails/Ct. |
|-------------------------|-------------------|--------|--------|--------------------------|----------------|-----------|
|                         | 4'x8'             | 4'x10' | 4'x12' |                          |                |           |
| 100                     | 4                 | 3      | 3      | 12-14 lbs. / 1.0 gal.    | 35             | 168       |
| 200                     | 7                 | 5      | 5      | 25-28 lbs. / 1.8 gal.    | 70             | 294       |
| 300                     | 10                | 8      | 7      | 37-42 lbs. / 2.7 gal.    | 105            | 420       |
| 400                     | 13                | 10     | 9      | 49-56 lbs. / 3.6 gal.    | 140            | 546       |
| 500                     | 16                | 13     | 11     | 62-70 lbs. / 4.5 gal.    | 175            | 672       |
| 600                     | 19                | 15     | 13     | 73-84 lbs. / 5.4 gal.    | 210            | 798       |
| 700                     | 22                | 18     | 15     | 86-98 lbs. / 6.3 gal.    | 245            | 924       |
| 800                     | 25                | 20     | 17     | 98-112 lbs. / 7.2 gal.   | 280            | 1,050     |
| 900                     | 29                | 23     | 19     | 110-126 lbs. / 8.1 gal.  | 315            | 1,218     |
| 1,000                   | 32                | 25     | 21     | 123-140 lbs. / 9.0 gal.  | 350            | 1,344     |
| 1,100                   | 35                | 28     | 23     | 135-154 lbs. / 9.9 gal.  | 385            | 1,470     |
| 1,200                   | 38                | 30     | 25     | 148-168 lbs. / 10.8 gal. | 420            | 1,596     |
| 1,300                   | 41                | 33     | 28     | 160-182 lbs. / 11.7 gal. | 455            | 1,722     |
| 1,400                   | 44                | 35     | 30     | 172-196 lbs. / 12.6 gal. | 490            | 1,848     |
| 1,500                   | 47                | 38     | 32     | 184-210 lbs. / 13.5 gal. | 525            | 1,974     |

### Applicable Standards and References

ASTM C475 *Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board*

ASTM C840 *Standard Specification for Application and Finishing of Gypsum Board*

ASTM E119 *Standard Test Methods for Fire Tests of Building Construction and Materials*

Gypsum Association, GA-214, *Levels of Finish for Gypsum Panel Products*

Gypsum Association, GA-216, *Application and Finishing of Gypsum Panel Products*

ProForm Finishing Products, LLC *Manufacturer Standards, NGC Construction Guide*

ProForm Finishing Products, LLC, *ProForm® Finishing Products Construction Guide*

**PROFORM®**

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## Sustainable Designs

Achieves UL GREENGUARD Certification for low chemical emissions into indoor air during product usage. For more information, visit:

[ul.com/gg](http://ul.com/gg).

Qualifies as a low-VOC emitting material by meeting California Specification 01350.

## LIMITATIONS

### Storage

- Shelf life up to 9 months under good storage conditions (see production code date).
- Maintain temperature at a minimum 50°F (10°C) and protect container from exposure to extreme heat and sunlight to prevent spoilage and freezing.

### Frozen Ready Mix

- Allow material to thaw at room temperature for at least 24 hours.
- Once thawed, turn the container upside-down for at least 15 minutes.
- Turn pail right side up, remove lid and immediately remix with an electric drill.
- Ready mix should be lump free and ready to use within 1 minute.
- Discard all ready mix that does not remix to a lump-free consistency.

### Stacking

Do not stack ready mix pails or cartons more than two pallets in height.

### General

- Do not overthin ready mix.
- Do not overmix with an electric drill. This can cause undesirable changes in viscosity and in the finished surface appearance.

## HANDLING AND PROJECT CONDITIONS

### Environmental Conditions

Varying weather conditions can impact both the quality and appearance of taped gypsum board joints. Relative humidity, plus temperature, will affect the working characteristics of all joint compounds.

Minimize the potential for finishing and decorating problems when temperature, humidity and airflow remain constant and as close to occupancy environmental conditions as possible. Continuously maintain a minimum temperature of 50°F (10°C) for 48 hours prior to and throughout the finishing process until applied materials are thoroughly dry.

For example, cool, wet weather will slow down the drying process while hot, dry weather hastens the drying process. Exposure to winds, breezes or drafts while drying can also affect the performance of joint compounds. Typical problems from improper drying can be cracking, excessive shrinkage, ridging and beading, banding or bond failure. A further explanation of these conditions is outlined in the "Problems and Solutions" section of the *ProForm® Finishing Products Construction Guide*.

Always take proper precautions at the jobsite to minimize the adverse effects of weather on drying. These precautions will ultimately reduce the application time and expense from callbacks and rework.

### Planning And Prevention: Mold And Mildew Resistance

Planning and prevention is the most effective way to avert the growth of mold or mildew. Deliver gypsum board and finishing products to a jobsite as near to the time they will be used as possible. Once delivered to a jobsite, place gypsum board under cover immediately and properly protect it. Do not expose it to outside elements, such as rain, snow or other high moisture conditions. If building materials get wet from any moisture source, identify and correct that source. If mold or mildew growth occurs, or if you suspect it might occur due to environmental conditions and moisture, either attempt to dry and clean the affected areas or replace the affected materials. If you do not have the training or experience to recognize and to make the proper decisions about repair or removal, consult a professional. A proper evaluation must be made.

No material can be considered "mold-proof," nor is it certain that any material will resist mold or mildew indefinitely. When used in conjunction with good design, handling and construction practices, ProForm joint compound can provide increased mold resistance. As with any building material, avoid water exposure during handling, storage, installation and after installation is complete. This is the best way to avoid the formation of mold or mildew.

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## FOR MORE INFORMATION

### Architectural Specifications

ProForm Finishing Products CSI MasterFormat®  
3-part guide specifications are downloadable as editable  
Microsoft® Word documents at: [proformfinishing.com](http://proformfinishing.com).

### Latest Technical Information and Update

Visit [proformfinishing.com](http://proformfinishing.com) or call National Gypsum Company  
Construction Services: 1-800-NATIONAL (628-4662).

**Technical Information** Información Técnica

**1-800-NATIONAL®**  
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The ProForm family of products is manufactured by  
ProForm Finishing Products, LLC.



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