

# Interior Finishing Products Construction Guide



# Helping You Build Better



## ***With* High-Quality Products And Resources**

Founded in 1925, National Gypsum is one of the world's largest producers of quality building products. For nearly a century, customers like you have looked to us for the best products, service and technical support. With a focus on sustainability, we strive to bring you the finest in construction products, education and resources to meet and exceed your expectations.

## ***With* Technical Support You Can Count On**

Great products are nothing without great customer service. For detailed technical information about product applications, installation requirements, code requirements or roof and wall assemblies, call 1-800-NATIONAL®. Talk directly to a technical expert with up-to-date knowledge of products, specifications, building codes and more. Our technical experts can even review your plans and drawings and get back to you with answers to your questions within 48 hours.





## ***With* Design That Considers The Environment**

Together, we can attain the highest level of ecological responsibility and resource-efficient technology. National Gypsum is committed to developing and implementing sustainable green building policies, standards and practices. Beyond offering products that can help contribute to healthier environments and have achieved GREENGUARD Certification for indoor air quality, we can help you meet the criteria for green programs and LEED credits.

## **Look Closer At The Best Interior Finishing Products**

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# Finish Strong With The Right Products

## ProForm® BRAND Interior Finishing Products

ProForm® BRAND Interior Finishing Products provide the right ready mix or setting compounds to finish your complex projects. ProForm offers high-quality, consistent formulas that are easy to apply, saving you time and effort. Do you need superior bonding, excellent sanding characteristics, lightweight formulas and quick set times? You can depend on ProForm. Select products even offer added mold resistance or help reduce airborne dust.

### For All Phases Of Finishing

#### Our ProForm Product Family

Everything you need for a job well done:

- Ready Mix Joint Compounds – in ultra lite-weight, lightweight, mid-weight and standard weight formulas
- Setting Joint Compounds
- Joint Tapes
- Texture Products



# Open, Mix And Apply

## Ready Mix Joint Compound: Ultra Lite-Weight, Lightweight, Mid-Weight Or Standard Weight

So fast and easy, you'll save hours with ProForm® Ready Mix Joint Compound. These premixed formulas have all achieved GREENGUARD Certification. They are ready to use right out of the container, wherever your job takes you. Available nationwide.

### Ultra Lite-Weight Ready Mix

Weighs up to 40% less than standard weight ready mix, sands easily and is an excellent choice in all finishing tools for all phases of finishing.

### Lightweight Ready Mix

Weighs up to 30% less than standard weight ready mix, shrinks less, provides a superior finish and sands easily.

### Mid-Weight Ready Mix

Weighs up to 20% less than standard weight ready mix, shrinks less, works well for all phases of finishing and sands easily.

### Standard Weight Ready Mix

Provides excellent bond, works great for texturing and for first phases of finishing.



## Choose The Best Products For Your Project

	Embed Tape	Fill or Trim Cornerbeads	Finish Joints	Spot Nails And Screws	Texture	Skim Coat	Sanding	In Mechanical Taping Tools
ProForm® Ultra Lite	✓	✓	✓	✓	✓	✓	✓	✓
ProForm® All Purpose	✓	✓	✓	✓	✓	✓	✓	✓
ProForm® XP® with Dust-Tech®	✓	✓	✓	✓	✓	✓	✓	✓
ProForm® Taping	✓	—	—	—	—	—	—	✓
ProForm® Multi-Use	✓	✓	✓	✓	✓	✓	✓	✓
ProForm® Lite Blue	✓	✓	✓	✓	✓	✓	✓	✓
ProForm® XP® Lite with Dust-Tech®	✓	✓	✓	✓	✓	✓	✓	✓
ProForm® Topping	—	✓	✓	✓	✓	✓	✓	✓
ProForm® Texture Grade	—	—	—	—	✓	—	—	—
ProForm® Quick Set™ Lite	✓	✓	✓	✓	—	—	✓	—

Best
  Better
  Good
  Not Recommended

## Ultra Lite-Weight Ready Mix

Our ultra lite-weight formula weighs up to 40% less than standard weight ready mix. This product has its own special features and a nine-month shelf life under good storing and application conditions. For product availability, call your local sales representative.



## ProForm® Ultra Lite All Purpose



### Features

- Weighs up to 40% less than standard ready mix – the lightest formula available
- Allows more open time
- Provides excellent bond
- Pulls and sands easily
- Excellent for use in all taping and finishing tools
- Delivers it all – the only product you will need for the job

### Applications

- Works well for all phases of finishing, from embedding joint tape to final coats

### Package Details

Pail: 4.5 gal (17 L)  
Cartons: 3.5 gal (13.2 L)  
4.5 gal (17 L) Midwest only

### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft



## Lightweight Ready Mix

Both lightweight formulas weigh up to 30% less than standard weight ready mix. Each formula has its own special features and a nine-month shelf life under good storing and application conditions. For product availability, call your local sales representative.



### ProForm® Lite Blue



#### Features

- Reduces shrinkage by up to 33%
- Lessens pocking and pinholing
- Pulls and sands easily
- Provides superior finish
- Covers metal beads in two coats

#### Package Details

Pail: 4.5 gal (17 L)  
 Cartons: 3.5 gal (13.2 L)  
 4.5 gal (17 L) Midwest only

#### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft

#### Applications

- Finishes joints and cornerbead
- Spots fasteners
- Textures

### ProForm® XP® Lite with Dust-Tech®



#### Features

- Reduces airborne dust by 60% – quick and easy clean-up
- Reduces shrinkage by up to 33%
- Resists mold growth – per ASTM G 21 score of 0 (best) and ASTM D 3273 score of 10 (best)
- Provides superior finish
- Sands without clogging sanding tool

#### Package Details

Pail: 4.5 gal (28 kg)  
 Carton: 3.5 gal (22.7 kg)

#### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft

#### Applications

- Finishes joints and cornerbead
- Spots fasteners
- Skims and textures
- Repairs cracks in plaster walls

ProForm XP® with Dust-Tech ready mix joint compound has achieved GREENGUARD GOLD Certification, which requires stricter certification criteria. Visit [dust-tech.info](http://dust-tech.info) for details.

## Mid-Weight Ready Mix

A happy medium, ProForm Multi-Use weighs up to 20% less than standard weight ready mix. This formula has its own special features and a nine-month shelf life under good storing and application conditions. For product availability, call your local sales representative.



## ProForm® Multi-Use



### Features

- Weighs up to 20% less than standard ready mix
- Shrinks less than all purpose formula
- Provides excellent bond
- Lessens pocking and pinholing

### Applications

- Works well for all phases of finishing, from embedding joint tape to final coats

### Package Details

Pail: 4.5 gal (17 L)

Carton: 3.5 gal (13.2 L)

### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft





## Standard Weight Ready Mix

All standard formulas are consistent and easy to apply, with many excellent qualities built in. Each formula has its own special features and a nine-month shelf life under good storing and application conditions. For product availability, call your local sales representative.



### ProForm® All Purpose



#### Features

- Applies easily and provides excellent bond
- Stays strong – highly durable surface
- Lessens pocking and pinholing
- Works great for first phases of finishing

#### Applications

- Taping
- Finishes joints and cornerbead
- Spots fasteners
- Skims and textures
- Repairs cracks in plaster walls

#### Package Details

Pails: 61.7 lbs (28 kg)  
12 lbs/1 gal (5.4 kg)  
Cartons: 47 lbs (21.3 kg)  
48 lbs (21.8 kg)  
50 lbs (22.7 kg)  
61.7 lbs (28 kg)

#### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft

### ProForm® XP® All Purpose® with Dust-Tech®



#### Features

- Reduces airborne dust by 60% – quick and easy clean-up
- Resists mold growth – per ASTM G 21 score of 0 (best) and ASTM D 3273 score of 10 (best)
- Applies easily and provides excellent bond
- Lessens pocking and pinholing
- Great for first phases of finishing

#### Applications

- Taping
- Finishes joints and cornerbead
- Spots fasteners
- Skims and textures
- Repairs cracks in plaster walls

#### Package Details

Pail: 61.7 lbs (28 kg)  
Carton: 50 lbs (22.7 kg)

#### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft

ProForm XP with Dust-Tech ready mix joint compound has achieved GREENGUARD GOLD Certification, which requires stricter certification criteria. Visit [dust-tech.info](http://dust-tech.info) for details.

# ProForm® BRAND Ready Mix Joint Compounds

## ProForm® Taping



### Features

- Enhances bond when embedding tape – first coating cornerbead and laminating gypsum board
- Works well with automatic taping tools

### Applications

- Taping
- Adheres cornerbead
- Laminates gypsum board

### Package Details

Pail: 61.7 lbs (28 kg)

Carton: 46 lbs (20.8 kg)

### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft

## ProForm® All Purpose Machine Grade



### Features

- Applies easily and provides excellent bond
- Stays strong – highly durable surface
- Lessens pocking and pinholing
- Works great for first phases of finishing as well as for automatic taping and finishing tools

### Applications

- Taping
- Finishes joints
- Spots fasteners
- Skims and textures
- Repairs cracks in plaster walls

### Package Details

Pail: 61.7 lbs (28 kg)

Carton: 50 lbs (22.7 kg)

### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft



## ProForm® All Purpose Orange



### Features

- Works well with automatic taping and finishing tools
- Requires less water for mixing
- Applies easily and provides excellent bond
- Stays strong—highly durable surface
- Lessens pocking and pinholing

### Applications

- Taping
- Finishes joints
- Spots fasteners
- Skims and textures
- Repairs cracks in plaster walls

### Package Details

Pail: 61.7 lbs (28 kg) Northeast/Atlantic region only

### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft

## ProForm® Heavy Viscosity



### Features

- Applies easily and provides excellent bond
- Stays strong—highly durable surface
- Lessens pocking and pinholing
- Provides all purpose formula

### Applications

- Taping
- Finishes joints
- Spots fasteners
- Skims and textures
- Repairs cracks in plaster walls

### Package Details

Pail: 61.7 lbs (28 kg)

Carton: 50 lbs (22.7 kg)

### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft

## ProForm® Topping



### Features

- Spreads easily
- Lessens pocking and pinholing
- Sands easily

### Applications

- Finishes joints and cornerbead
- Spots fasteners
- Textures

### Package Details

Pail: 61.7 lbs (28 kg)

Carton: 50 lbs (22.7 kg)

### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft

# ProForm® BRAND Ready Mix Joint Compounds

## ProForm® Concrete-Cover Compound



### Features

- Enhances bond when skimming to interior above-grade monolithic concrete walls, ceilings and columns
- Stays strong—highly durable surface
- Creates a variety of textures
- Dries white

### Applications

- Smooths and textures monolithic concrete ceilings or columns
- Sprays, brushes, rolls and applies by trowel, drywall finishing boxes or taping tools
- Laminates
- Provides first-fill coat on fastener beads or trim

### Package Details

Pail: 61.7 lbs (28 kg)  
Cartons: 61.7 lbs (28 kg)  
48 lbs (21.8 kg)

### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft

## ProForm® Texture Grade



### Features

- Allows great pattern versatility
- Conceals minor cracks and other imperfections
- Applies easily and provides excellent bond

### Applications

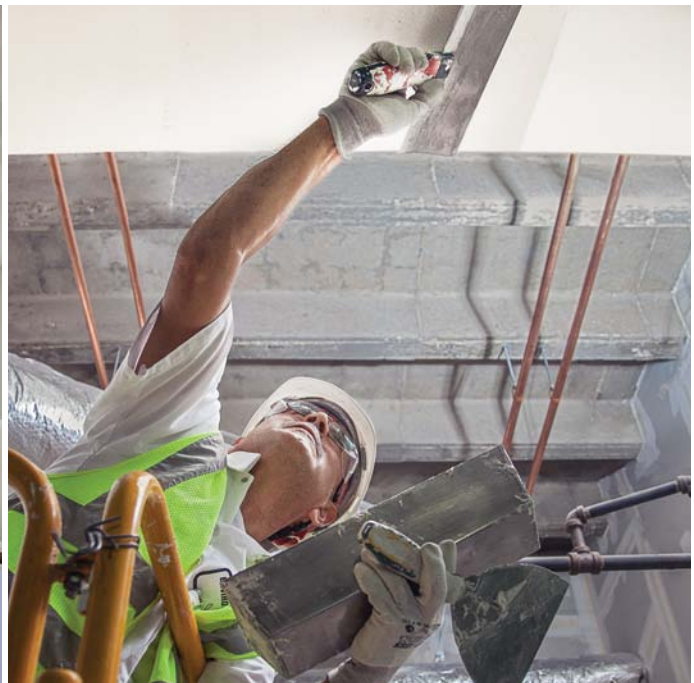
- Works well for any non-aggregated texture
- Works for a variety of textures, including stipple, knockdown, skip trowel and orange peel

### Package Details

Pail: 61.7 lbs (28 kg)  
Carton: 50 lbs (22.7 kg)

### Approximate Coverage

123-140 lbs/9 gal per 1,000 sq ft



# Sets Fast For Same-Day Finishing

## Setting Joint Compound

Easy to mix and apply, ProForm setting compound sets fast, allowing for same-day finishing and next-day decorating. Once the compound has set, even humidity will not slow down your tight schedule. When minutes count, you can set your clock by our consistent setting and working times. For product availability, call your local sales representative. Available nationwide.



## ProForm® Quick Set™ Compound



### Features

- Streamlines scheduling – recoat immediately once previous coat sets
- Provides excellent bond
- Stays strong/highly durable surface
- Shrinks less and dries white
- Allows easy mixing
- Added protection against mold

### Applications

- Works well for heavy fills, beads, trims, joint finishing and laminating gypsum panels

### Package Details

Bag: 25 lbs (11.3 kg)

### Approximate Coverage

45-55 lbs/1,000 sq ft  
(22-29 kg/1,000 sq m)

### Mixing

Mix 13-14 pts (6.2-6.6 L) clean, room temperature, drinkable water per bag.

## ProForm® Quick Set™ Lite Compound



### Features

- 30% lighter than Quick Set Compound
- Streamlines scheduling – recoat immediately once previous coat sets
- Provides excellent bond
- Stays strong/highly durable surface
- Shrinks less and dries white

- Allows easy mixing and sanding

- Added protection against mold

### Applications

- Works well for heavy fills, beads, trims, joint finishing and laminating gypsum panels

### Package Details

Bag: 18 lbs (8.2 kg)

### Approximate Coverage

45-55 lbs/1,000 sq ft  
(22-27 kg/100 sq m)

### Mixing

Mix 11-12 pts (5.2-5.7 L) clean, room temperature, drinkable water per bag.

## ProForm® FS-90 Compound (Through-Penetration Fire Stop)



### Features

- Blocks fire and smoke – dries red for easy identification
- Saves money – more economical and less waste than caulking tube products
- Reduces waste – mix only what you need for the job

### Applications

Meets multiple standards to qualify as UL Listed for:

- Use in fire and smoke-stop
- Use for through-wall and floor penetrations
- Use for head of wall

### Package Details

Bag: 25 lbs (11.3 kg)

### Approximate Coverage

25 lbs bag/850 cu in

### Mixing

Mix 12-13 pts (5.7-6.2 L) clean, room temperature, drinkable water per bag. If less than a full bag will be needed, then plan on a ratio of 2 parts dry powder to 1 part water.

# ProForm® BRAND Joint Tapes

# Stick To Quality

## Joint Tape

Reinforce and conceal your interior wall and ceiling joints with high-quality ProForm joint tape. Each tape has its own special features. For product availability, contact your local sales representative.



## ProForm® Paper Joint Tape



### Features

- Creates added strength in joints
- Provides superior bond – buffed on both sides
- Folds at corners easily – due to center crease
- Resists distortions, such as stretching, wrinkling and tearing

### Applications

- Use on gypsum panel joints and interior angles – apply crease side in
- Use with ready mix joint compounds
- Embed in ProForm joint compound, removing excess compound

### Package Details

Available in:  
75' rolls (22.9 m), 20 rolls/carton  
250' rolls (76.2 m), 20 rolls/carton  
500' rolls (152.4 m), 10 rolls/carton

### Approximate Coverage

375 ft/1,000 sq ft of gypsum board  
(114 m/93 sq m)

## ProForm® Fiberglass Mesh Tape



### Features

- Eliminates need for embedding coat
- Resists mold and mildew
- Meets ASTM C 475

### Applications

- Use on gypsum panel product joints and corners
- Use with setting joint compounds only – recommend Quick Set and Quick Set Lite
- Apply self-adhering fiberglass mesh tape to joint or corner before applying setting joint compounds

### Package Details:

Available in:  
300' rolls (91.4 m), 12 rolls/carton

### Approximate Coverage

375 ft/1,000 sq ft of gypsum board  
(114 m/93 sq m)

## ProForm® Multi-Flex Tape



### Features

- Applies easily
- Conceals and reinforces drywall joints
- Works well for hard angles – less or greater than 90 degrees

### Applications

- Use for inside and outside corners
- Use for vaulted ceilings
- Apply with metal side to face of gypsum panels
- Embed in joint compounds

### Package Details

Available in:  
100' rolls (30.5 m), 10 rolls/carton

### Approximate Coverage

100 linear ft per roll

# Create Textured Surfaces

## Texture Products

Whether you want to cover, conceal, or create interesting design effects, ProForm® Texture Products offer a complete line of interior ceiling and wall textures. These work on well-primed surfaces, including drywall, concrete, plaster, wood and metal. Saves time and money over conventional painting. Each texture product has its own special features. For product availability, contact your local sales representative.



### ProForm® Perfect Spray Medium Aggregated Texture Spray



#### Features

- Mixes easily and provides low fallout
- Achieves bright white appearance – providing bold accent and hiding minor surface defects
- Contains shredded polystyrene aggregate – sprays quickly

#### Applications

- Use on interior ceilings with new, primed or previously painted gypsum board or monolithic concrete/plaster
- Works with standard spray equipment

#### Package Details

Bag: 40 lbs (18.2 kg)  
**Approximate Coverage**  
 300-400 sq ft (27-37 sq m)/bag  
**Mixing**  
 3-4 gal (11.3-15.1 L) water/bag

### ProForm® Wall & Ceiling Spray Non-Aggregated Texture Spray



#### Features

- Mixes and pumps easily
- Creates a variety of textures, including spray spatter, spatter knockdown and orange peel
- Offers textures in several light-reflecting finishes

#### Applications

- Use on walls and ceilings
- Applies without overspray impacting ceiling
- Use on wall surface finished with a coat of paint or concrete coated with an alkali-resistant primer/sealer

#### Package Details

Bag: 50 lbs (22.7 kg)  
**Approximate Coverage**  
 500-1,500 sq ft (46-139 sq m)/bag  
**Mixing**  
 4-5 gal (15-19 L) water/bag

## Ready Mix Compounds

### Environmental Conditions

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

The potential for finishing and decorating problems are minimized when temperature, humidity and airflow remain constant and as close to occupancy environmental conditions as possible. A minimum temperature of 50°F (10°C) should be maintained continuously 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 this guide.

Proper precautions at the job site should always be taken to minimize the adverse effects of weather on drying. These precautions will ultimately reduce the application time and expense from call backs and rework.

### Storage

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

**Frozen Ready Mix.** Allow material to thaw at room temperature for at least 24 hours. When 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

Ready Mix pails or cartons should not be stacked more than two pallets in height.

### Mold And Mildew Growth

#### ProForm BRAND XP® Ready Mix with Dust-Tech®

ProForm BRAND XP® Ready Mix with Dust-Tech® was designed to provide extra protection against mold and mildew compared to standard ready mix compound. When tested by an independent lab per ASTM D 3273 (“Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber”), XP Ready Mix with Dust-Tech achieved a score of 10, the best possible score for this test.

ProForm XP with Dust-Tech also resists the growth of mold per ASTM G 21 (Standard Practice for Determining Resistance of Synthetic Polymeric Materials to Fungi) with a score of 0, the best possible score.

When tested in a system with ProForm BRAND Paper Joint Tape, Gold Bond® BRAND XP® Gypsum Board or Gold Bond® BRAND EXP® Interior Extreme™ Gypsum Panels, the XP® system achieves a score of “10” for ASTM D 3273 and a score of “0” for ASTM G 21. These are the best possible mold-resistant scores for these tests.

#### Planning And Prevention: Mold And Mildew Resistance

Planning and prevention is the most effective way to avert the growth of mold or mildew. Gypsum wallboard and finishing products should be delivered to projects as near to the time it will be used as possible. Wallboard delivered to a job site must be placed under cover immediately, properly protected and not exposed to outside elements such as rain, snow or other high moisture conditions.

If building materials get wet from any moisture source, that source must first be identified and corrected. If mold or mildew growth occurs, or if you suspect it might occur due to environmental conditions and moisture, a determination must be made to either attempt to dry and clean the affected areas or to replace the affected materials. Care must be taken in this evaluation, and if you do not have the training or experience to recognize and to make proper decisions about repair or removal, you should consult a professional.

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, XP Ready Mix with Dust-Tech can provide increased mold resistance versus standard ready-mixed compounds. As with any building material, avoiding water exposure during handling, storage and installation and after installation is complete is the best way to avoid the formation of mold or mildew.

### Joint Compound Drying Times

Approximate Drying Times: All Purpose/Lite Ready Mix Joint Compound

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

Note: D = Days (24 hour period) H = Hours

The chart above is a helpful guide in determining 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 and is not recommended for the application of joint compound.

**Note:** To ensure best results, only National Gypsum products should be used together in construction systems. Mixing with other brands is not recommended.

All National Gypsum joint compounds are formulated without asbestos and therefore comply with Consumer Product Safety Standards.



## Setting Compounds

### Mixing

Mix no more compound than can be applied in the designated set time. Place the amount of water recommended, (see mixing ratio) on compound packaging in a clean mixing container. Add the compound gradually to clean, drinkable water while stirring. Mix the compound free of lumps with a mechanical mixer or by hand. Allow standing (soak) for 1 minute, and then remix until consistency is smooth and creamy. If a thinner or thicker mix is desired, add water or powder sparingly. Careful not to overmix as it could lead to shortened working times. DO NOT mix with any other joint compounds (wet or dry) and not recommended for use in automatic tools. Prior to application, surface areas should be clean and free of dust and debris.

### Estimated Working And Setting Times

One of the most crucial things for selecting the proper ProForm® Quick Set Joint Compound is matching its working time and setting time ranges to the project.

It should be noted that working time and setting time are not the same.

### Working Time

Working time refers to the period during which the ProForm Quick Set is usable for application. At the end of this time, the material begins to stiffen and can no longer be spread easily. Working time should correspond to the required time for actual application.

### Setting Time

Setting time refers to the time after which the applied ProForm Quick Set Compound will become adequately hardened so that another layer can be applied. For manufactured or modular builders, the setting time should match your timetable for moving a floor along the line.

## Approximate Working Time Versus Set/Hardening Time

Quick Set/Quick Set Lite	Working Time (Minutes)	Set/Hardening Time (Minutes)
5	3–5	10–20
20	15–20	20–40
45	35–45	45–70
90	70–90	90–125
210	180–210	210–280

### Limitations

- Do not apply over moist surfaces or surfaces subject to direct moisture.
- Do not mix with any other material. Use only clean, room temperature, 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 time will be shortened.
- High-speed mixing or excessive mixing will shorten the working time of the ProForm Quick Set Compounds.
- Do not add water or remix after compound begins to thicken and harden.
- Not recommended for use in automatic taping tools.
- Close opened bag as tight as possible for storage or setting time may be affected.
- Shelf life up to 6 months in high humidity areas and 12 months under good storage conditions. See production date code. To prevent spoilage and freezing, maintain temperature at a minimum 50°F (10°C) and protect container from exposure to extreme heat, sunlight and water.
- The potential for finishing and decorating problems are minimized when temperature, humidity and airflow remain constant and as close to occupancy environmental conditions as possible. A minimum temperature of 50°F (10°C) should be maintained continuously for 48 hours prior to and throughout the finishing process until applied materials are thoroughly dry.

### Frequently Asked Questions

#### 1. Why is the product lumpy after mixing?

- Water was added to the ProForm Quick Set, rather than the compound being added to the water.
- ProForm Quick Set was not allowed to soak (for approximately one minute) after initial mix before remixing was initiated.

#### 2. Why is the product setting much faster than the advertised range?

- Dirty mixing water and/or application tools.
- Excessive mixing of the compound.
- Foreign material (accidentally or deliberately) added to the mixture.
- Mixing water too hot.

#### 3. Why is the product setting much slower than the advertised range?

- Too much water was used.
- Impure water source (dissolved organics in the water generally retard the set time).
- Foreign material (accidentally or deliberately) added to the mixture.
- Water too cold.
- Product was remixed after initial stiffening began.

#### 4. Why does the product display weak strength?

- Too much water was used.
- Foreign material (accidentally or deliberately) added to the mixture.

### Joint And Corner Finishing Application

1. ProForm BRAND Quick Set compounds should be mixed in accordance with the printed instructions on the package.

2. A uniformly thin layer of joint compound should be applied over the joint approximately 4" wide. Tape should be centered over the joint and embedded into the compound leaving sufficient joint compound under the tape for proper bond. Ceiling and wall angles plus all inside corner angles should be reinforced with tape folded to conform to angles and embedded into the compound.

3. After compound is thoroughly dry or hard (approximately 24 hours for Regular compound or 2 hours for Quick Set), joint tape should be covered with a coat of joint or topping compound. The compound should be spread over the tape approximately 3" on each side and feathered out at edges. After thoroughly dry, another coat of joint or topping compound should be applied with a slight uniform crown over the joint. This coat should be smoothed and feathered approximately 3" beyond the preceding coat.

4. All inside corners should be coated with at least one coat of joint or topping compound and the edges feathered out.

5. All nail or screw head dimples should receive three coats. This may be applied along with each joint coat.

6. Flanges of wallboard corner-bead should be concealed by at least two coats of compound. The second coat should be feathered out approximately 9" on both sides of the exposed metal nose.

7. For joint and corner treatment with Quick Set Compound, fill joint and bed tape simultaneously. After Quick Set Compound has hardened, apply any ProForm Joint Compound.

8. For wet sanding, allow each application of compound to dry or harden. If dry sanding is performed, ventilate work area and/or use a NIOSH/MSHA-approved respirator. Safety glasses are also recommended. Caution should be used to avoid roughing the wallboard paper. All wallboard and treated areas should be smooth and ready for decoration.

# Installation Guide

## Spray Textures

### Recommended Application Practices

#### Gypsum Wallboard:

Surfaces, including joint-treated areas, must be smooth, clean and dry. First apply a coat of sealing primer. Allow primer to dry thoroughly, and maintain adequate drying conditions after application. Primer is to minimize sagging of gypsum wallboard and discoloration or difference in sheen on ceiling surface. Add dry texture to water. Use a piston pump or Mono-type pump with a texture gun. Minimum 3/4" I.D. material hose. A hopper-type gun with adequate air supply is also suitable. Typical coverage is 8-10 sq. ft. per lb. for aggregated and 10-30 sq. ft. per lb. for nonaggregated textures. Mask appropriate areas before spraying and promptly remove overspray from unprotected surfaces afterward. Follow the instructions of the spray equipment manufacturer

for adjusting controls and cleaning. If a second coat is desired, allow the first coat to dry thoroughly.

**Note:** Gypsum wallboard ceiling surfaces to be decorated with water-thinned spray texture shall be 1/2" or 5/8" thick and applied perpendicular to the framing. Framing shall not exceed 16" o.c. for Gold Bond® BRAND 1/2" Regular Gypsum board and 24" o.c. for 1/2" High Strength™ Ceiling Board and Gold Bond® BRAND 5/8" Gypsum board.

#### Concrete:

Allow concrete to cure for at least 28 days. Clip protruding wire ends and spot with rust-inhibitive primer. Remove all form oil, grease and dirt, or any loose or water-soluble material. Grind down any form ridges, and level any remaining unevenness with ProForm® Quick Set Joint Compound. Apply a coat of alkali-resistant sealing primer over the entire surface to be textured.



## Materials Estimating And Coverage

### INSTALLATION MATERIALS

Sq Ft of Wall/Ceiling	Gypsum Board Size			All Purpose/Lite Blue	Joint Tape/ft	Quick Set/lb	Nails/ct	Screws/ct
	4'x8'	4'x10'	4'x12'					
100	4	3	3	12-14 lbs/1.0 gal	35	6	168	90
200	7	5	5	25-28 lbs/1.8 gal	70	11	294	150
300	10	8	7	37-42 lbs/2.7 gal	105	17	420	240
400	13	10	9	49-56 lbs/3.6 gal	140	22	546	300
500	16	13	11	62-70 lbs/4.5 gal	175	28	672	390
600	19	15	13	73-84 lbs/5.4 gal	210	33	798	456
700	22	18	15	86-98 lbs/6.3 gal	245	39	924	528
800	25	20	17	98-112 lbs/7.2 gal	280	44	1050	600
900	29	23	19	110-126 lbs/8.1 gal	315	50	1218	696
1000	32	25	21	123-140 lbs/9.0 gal	350	55	1344	768
1100	35	28	23	135-154 lbs/9.9 gal	385	61	1470	840
1200	38	30	25	148-168 lbs/10.8 gal	420	66	1596	912
1300	41	33	28	160-182 lbs/11.7 gal	455	72	1722	984
1400	44	35	30	172-196 lbs/12.6 gal	490	77	1848	1056
1500	47	38	32	184-210 lbs/13.5 gal	525	83	1974	1128

### FINISHING MATERIALS

	All Purpose/Lite Blue	Quick Set	Perfect Spray	Wall And Ceiling Spray	Joint Tape
Quantity per 1,000 sq ft of Gypsum Board	123-140 lbs/9.0 gal	55 lbs	120 lbs	50-100 lbs	350 ft

## Five Levels Of Finish For Gypsum Board

### Level 0

Typically specified in temporary construction or whenever the final decoration has not been determined.

No taping, finishing, or accessories required.

### Level 1

Typically specified joint treatment in smoke barrier applications and areas not normally open to public view such as plenum areas above ceilings, attics, and other areas where the assembly would generally be concealed.

All joints and interior angles shall have tape embedded in joint compound. Excess joint compound, tool marks and ridges are acceptable.

Accessories are optional unless specified in the project documents.

### Level 2

Typically specified where gypsum panel products are used as a substrate for tile; may be used in garages, warehouse storage or other similar areas where surface appearance is not a concern.

All joints and interior angles shall have tape embedded in joint compound and wiped with a joint knife leaving a thin coating of joint compound over all joints and interior angles. Joint compound applied over the body of the tape at the time of tape embedment shall be considered a separate coat of joint compound and shall satisfy the conditions of this level.

Fastener heads and accessories shall be covered with one (1) coat of joint compound. Surface shall be free of excess joint compound. Tool marks and ridges are acceptable.

### Level 3

Typically specified in appearance areas which are to receive heavy- or medium-texture finishes (spray or hand applied) before final painting, or where heavy-duty/ commercial grade wallcoverings are to be applied as the final decoration. The design professional shall specify the mock-up procedure

and mock-up construction details within the project documents. This level of finish is not recommended for smooth wall designs or applications where light textures, non-continuous textures, or lightweight wallcoverings are applied.

All joints and interior angles shall have tape embedded in joint compound and shall be immediately wiped with a joint knife leaving a thin coating of joint compound over all joints and interior angles. One (1) separate coat of joint compound shall be applied over all joints and interior angles. Fastener heads and accessories shall be covered with two (2) separate coats of joint compound. The surface shall be smooth and free of tool marks and ridges.

Jobsite mock-up(s) shall be used to determine acceptance of the finish within the building.

**Note:** It is recommended that the final decoration specification (e.g., painting specification) include the application of a priming material prior to the decoration.

### Level 4

Typically specified in appearance areas where smooth wall designs are decorated with flat paints, light textures, non-continuous textures, or wallcoverings are to be applied. The design professional shall specify the mock-up procedure and mock-up construction details within the project documents. This level of finish is not recommended where non-flat or dark/deep tone paints are applied.

In critical lighting areas, flat paints applied over light continuous textures tend to reduce joint photographing.

The weight, texture, and sheen level of wallcoverings applied over this level of finish should be carefully evaluated. Joints and fasteners must be adequately concealed if the wallcovering used is of lightweight construction, contains limited pattern, has a sheen level other than flat, or any combination thereof. Unbacked vinyl wallcoverings are not recommended over this level of finish.



0

No taping, finishing or accessories required.

1

All joints and interior angles have tape set in compound.

2

Thin coating of compound over all joints and interior angles.

3

Additional coating of compound over joints and interior angles. Smooth and free of tool marks and ridges.

4

Another coating of compound over flat joints, smooth and free of tool marks or ridges.

5

Skim coat applied over entire surface. Surface smooth and free of tool marks or ridges.



# Problems And Solutions

Conditions	Probable Cause	Preventive Action	Corrective Action
<b>Joint Problems</b>			
<b>Tape Photographing</b>	Slow drying of finishing coats. Too much compound under tape. Joint compound too thin.	Correct drying conditions. Embed tape properly. Use joint compound thicker. Use ProForm® BRAND Joint Tape.	Sand down the tape outline and seal. Refloat if necessary before decoration. Prevent finish coat moisture from re-wetting the tape by applying a thinner coat for fast drying.
<b>Starved Joint</b>	Compound applied too thin in viscosity and thickness. Too little compound over joint. Excessive sanding.	Use finishing compound at heavier viscosity and proper thickness of coats. Do not over-sand.	Allow to thoroughly dry, then apply an additional coat of topping or joint compound.
<b>High Joint</b>	Excess joint compound under the tape. Excess joint compound over the tape and improper feathering. Poor framing. Improper Gypsum Board application. Improper sanding. Use of compound too heavy.	Proper thickness of compounds for taping and finishing. Feather finishing coats wider than previous coats. Correct poor framing and improper wallboard application to ensure proper alignment. Sand properly.	Sand joint to near flush without sanding into tape. Apply a wider finishing coat properly feathered, if necessary. Apply a second finishing coat or skim coat.
<b>Beading/Ridging</b>	Lumber expansion and contraction. Improper heating and ventilation. Cold weather with high humidity. Improper application of Gypsum Board. Excess compound over joints and needless wide joints. Rough or poorly cut butt joint.	Use Quick Set® System to minimize beading or ridging. Alternatives include: double-layer lamination system.	Allow one full heating cycle -- six months to one year -- before repairing, then sand ridge flush and apply one or more finishing coats of joint or topping compound. Use critical lighting to determine if bead is eliminated prior to decoration.
<b>Nail Problems</b>			
<b>Nail Pops</b>	Framing out of alignment. Lumber shrinkage. Improper Gypsum Board application. Improper heating and ventilation.	Provide heat and ventilation to dry framing lumber. Align framing lumber. Nail center of wallboard first. Hold gypsum board firm to nailing member when nailing. Use proper nails. Check all nails before nail spotting. Systems recommended to reduce or eliminate nail pops include: double-layer lamination, double nailing system, floating angle system, adhesive nail-on system and screw application.	When nail pops occur before decoration, repair immediately. If problem occurs after decoration, repair after framing lumber is dry (usually one heating cycle). To repair, drive a GWB-54 nail 1-1/2" from each side of popped nail while holding Gypsum Board firm to the nailing member. Countersink popped nail, remove loose joint compound, then apply finishing coats of joint or topping compound.
<b>Depressed Nails</b>	Framing out of alignment. Lumber expansion due to moisture absorption. Improper Gypsum Board application. Too few nails, improper furring, structural movement. Nails dimpled too deeply.	Align framing lumber. Allow dry lumber to become acclimated. Correct gypsum board application as described for nail pops. Use proper nail spacing. When furring, use no less than 2" x 2". Use systems recommended to reduce or eliminate nail pops. Avoid fracturing paper when driving nails.	Repair as described for nail pops, unless most nails are depressed and wallboard is loose (usually ceilings). Re-nail entire surface using proper spacing. Dimple depressed nails and apply finishing coats of joint or topping compound.

# Problems And Solutions

Conditions	Probable Cause	Preventive Action	Corrective Action
<b>Texturing Problems</b>			
<b>Lumping</b>	Too much water added to initial mix. Adding water to powder.	Add powder to water using less water than initially specified. After mix is smooth and lump-free, add remaining water to adjust mix to a workable viscosity.	Add powder until mix thickens. Continue mixing until lumps disappear.
<b>Mix Too Thin</b>	Too much water added in initial mix or inadequate soaking time in cold water.	Use recommended water requirements in initial mix. Allow mixed ingredients to soak for several minutes, when necessary, if using cold water.	Add powder until mix thickens.
<b>Aggregate Fallout (During Spraying)</b>	Spray gun too close to surface and/or excessive air pressure at nozzle.	Hold spray gun at proper distance and angle from surface to prevent aggregate fallout.	Lower air pressure. Hold spray gun at proper distance and angle from surface to prevent excessive fallout.
<b>Aggregate Floatout</b>	Too much water added during initial mix and/or inadequate mixing after initial water is added.	Use recommended water requirements and make sure water is properly blended into mix.	Add powder until mix thickens.
<b>Poor Coverage</b>	Mix too thick for proper spray viscosity and/or improper application such as spraying too slow, overloading surface with spray material and using incorrect spray pressures.	Use recommended water volume for mixing to ensure sprayable viscosity. Use proper spray application to ensure uniform dispersion of aggregate and proper coverage.	Carefully add water to mix. Use proper spray techniques. Adjust spray pressure.
<b>Poor Hide</b>	Over-thinned mix causing a reduction in both wet and dry hide. Mix too thick causing poor atomization resulting in surface show-through. Improper application/over-extending spray. Selecting improper spray pressures. No primer used prior to texturing.	Use recommended water volume for mixing to ensure sprayable viscosity. Use proper spray application to ensure uniform dispersion of aggregate and proper coverage. Use a good quality drywall primer.	Add powder or water depending on mix consistency. Adjust spray pressure. Use proper spray technique. Apply finished paint over textured surface.
<b>Poor Bond Or Hardness</b>	Over-thinned mix results in over-dilution of latex binder in spray texture. Improper surface preparation. Contamination with other materials.	Use recommended water volume for mixing. Remove all loose material, dust, grease, oil and prime surface with a quality drywall primer. Do not intermix with other products. Always use a clean mixing container and clean water.	Scrape down surface and repeat application following recommendations under "Prevention."
<b>Clogged Spray Equipment</b>	Contamination of mix with oversized particles can sometimes clog spray nozzle orifice.	Prevent contamination during mixing and spraying. Use correct nozzle size for aggregate being sprayed.	Check mix for contamination and/or oversized particles. If contaminated, screen out contaminants or discard and remix new batch.
<b>Material Pumping Problems</b>	Mixed spray material too heavy. Pump equipment old and worn. Equipment improper size for spray product.	Use recommended water volume for mixing. Make sure proper equipment is being used and that spray machine is in good repair.	Thin mix if too heavy for pumping.
<b>Unsatisfactory Spray Pattern</b>	Worn spray equipment (either fluid or spray nozzle) and/or improper air pressure. Improper spray technique and/or poor spray mix consistency.	Inspect spray nozzles to ensure good working condition. Replace any worn parts.	Improve spraying technique. Add recommended water volume to ensure proper spraying consistency.

Conditions	Probable Cause	Preventive Action	Corrective Action
<b>Texturing Problems (cont.)</b>			
<b>Texture Buildup</b>	Spraying or texturing over surfaces with major differences in surface porosity or suction (improperly primed). Thin texture will tend to build up over high suction surfaces.	Prime entire surface with a good quality drywall primer. Follow mixing instructions.	Remove all texture from sprayed surface and re-apply following instructions under "Prevention."
<b>Joint Show-Through</b>	Over-extended and over-thinned primer won't adequately hide the contrast between finished joints and Gypsum Board paper.	Use recommended water volume when mixing texture and apply at recommended coverage rates. Prime surface with a good quality drywall primer prior to application of spray texture.	Allow spray to thoroughly dry, then prime with a quality drywall primer and re-spray or paint textured surface.
<b>Joint Shows Through As White Band</b>	Spraying over unprimed surfaces during cool, humid, slow drying conditions. Joint stays white, water solubles in Gypsum Board paper bleed through.	Prime surface with a good quality drywall primer before applying texture.	Allow spray to thoroughly dry, then paint textured surface.
<b>Shrinkage Problems</b>			
<b>Shrinkage</b>	Compound used too thin or watery. Applied too soon after mixing. Improper drying between coats. Painting before joints are thoroughly dry. Too deep fills in one coat. Slow drying.	Use compound at heaviest workable consistency. Allow to stand before using. Allow thorough drying of compound between coats and prior to painting. Apply additional coats on deep fills. Provide proper drying.	Allow to thoroughly dry and re-coat. Provide proper drying.
<b>Delayed Shrinkage</b>	Improper drying conditions. Painting before compound and wallboard are thoroughly dry. Under high humidity, slow drying conditions, joints and wallboard may hold moisture for weeks.	Provide proper drying conditions. Allow complete drying before each coat of joint treatment and before repainting.	Allow to thoroughly dry and re-coat affected joints.
<b>Misinterpreted Shrinkage</b>	Improper wallboard application including: nails dimpled too deep, fractured core of wallboard, fractured face paper, corner bead applied improperly, tape photographing.	Less dimple of nails. Press wallboard snug to nailing member before dimpling nail. Use Gold Bond® BRAND Gypsum Board. Re-nail where necessary. Use Quick Set compound for at least the first coat on nails and corner bead. (See Tape Photographing.)	Nails: re-nail where necessary. Cut out any loose areas and fill with two or more coats of Quick Set or regular joint compound. Re-coat corner bead.
<b>Miscellaneous Problems</b>			
<b>Pock Marking</b>	Entrapment of air in the mixed compound and in application. Over-mixing of compound. Compound mixed too thin. Heavy fills. Improper application technique. Compound applied too loosely.	Mix compound as quickly as possible and let stand until binder is in solution before remixing. Mechanical mixers should have 500 RPM maximum. Use heavier mix. Make additional passes over joints and bead with hand or mechanical tools. File trowel edges square regularly to avoid entrapment in application. Apply compound thinly and use more pressure on finish coat.	Remove sanding dust that may collect in "pocks" prior to painting and refloat joint as necessary. When condition exists after painting, float with compound and repaint.

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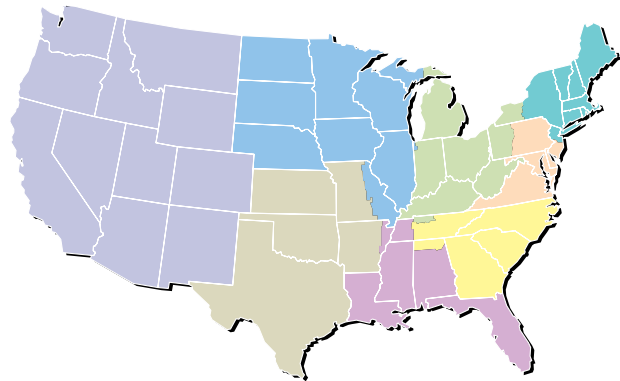
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