ProForm® BRAND Quick Set™ and Quick Set™ Lite Setting Compounds, which were developed to reduce joint deformities such as ridging and beading and provide shortened joint finishing time. ProForm® BRAND Quick Set™ Compound is a quick setting/hardening type compound that is not affected by humidity once it has set and dried. It is available in 20-, 45-, 90- and 210-minute set times. ProForm® BRAND Quick Set™ Lite Compound is 30 percent lighter than conventional setting compound, sands easier and requires less time and effort to work. Available in 5-, 20-, 45-, 90-, and 210-minute set times.
**ProForm® BRAND**

**Quick Set™ Setting Compounds**

**ProForm® BRAND**

**Quick Set™ Compound**

**APPLICATIONS**

Use for heavy fills, beads, trims, joint finishing and laminating gypsum panels.

**ADVANTAGES**

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

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Bag: 25 lbs. (11.3 kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. Coverage</td>
<td>45-55 lbs. (22-29 kg)</td>
</tr>
<tr>
<td></td>
<td>/ 1,000 sq. ft. (93 m²)</td>
</tr>
<tr>
<td>Mixing</td>
<td>13-14 pts. (6.2-6.6 L)</td>
</tr>
<tr>
<td></td>
<td>clean, room temperature, drinkable water per bag</td>
</tr>
</tbody>
</table>

**ProForm® BRAND**

**Quick Set™ Lite Compound**

**APPLICATIONS**

Use for heavy fills, beads, trims, joint finishing and laminating gypsum panels.

**ADVANTAGES**

- 30% lighter than Quick Set Compound.
- Streamlines scheduling – recoat immediately once previous coat sets.
- Provides excellent bond.
- Stays strong/highly durable surface.
- Shinks less and dries white.
- Allows easy mixing and sanding.
- Added protection against mold.

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Bag: 18 lbs. (18.2 kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. Coverage</td>
<td>45-55 lbs. (22-29 kg)</td>
</tr>
<tr>
<td></td>
<td>/ 1,000 sq. ft. (93 m²)</td>
</tr>
<tr>
<td>Mixing</td>
<td>11-12 pts. (5.2-5.5 L)</td>
</tr>
<tr>
<td></td>
<td>clean, room temperature, drinkable water per bag</td>
</tr>
</tbody>
</table>
**ProForm® BRAND**

**FS-90 Fire-Shield® Compound**  
(Through-Penetration Fire Stop)

**APPLICATIONS**

Meets multiple standards to qualify as UL Listed to use: in fire and smoke-stop; for through-wall and floor penetrations; for head of wall.

**ADVANTAGES**

- 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.

**TECHNICAL DATA**

<table>
<thead>
<tr>
<th>Packaging</th>
<th>Bag: 25 lbs. (11.3 kg)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. Coverage</td>
<td>850 cu. in.</td>
</tr>
<tr>
<td>Mixing</td>
<td>12-13 pts. (5.7-6.2 L) clean, room temperature, drinkable water per bag. If less than a full bag is used, mix at a ratio of 2 parts dry powder to 1 part water.</td>
</tr>
</tbody>
</table>

---

**ProForm® BRAND**

**Paper Joint Tape**

**APPLICATIONS**

Use it on gypsum panel joints and interior angles, applying with the crease side in. Use it with ready mix joint compounds and embed it in ProForm® Joint Compound, removing any excess compound.

**ADVANTAGES**

- 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.

**TECHNICAL DATA**

| Packaging | 75’ (22.9 m) rolls, 20 rolls / carton  
250’ (76.2 m) rolls, 20 rolls / carton  
500’ (152.4 m) rolls, 10 rolls / carton |
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Approx. Coverage</td>
<td>375 ft. / 1,000 sq. ft. (114 m /93 m²) of gypsum board</td>
</tr>
</tbody>
</table>
ProForm® BRAND
Quick Set™ Setting Compounds

ProForm® BRAND
Paper Joint Tape – Heavy

APPLICATONS
Use it with ready mix or setting-type joint compounds and gypsum veneer systems to conceal and reinforce joints of interior walls and ceilings.

ADVANTAGES
- Creates added strength in joints.
- Provides superior bond – buffered on both sides.
- Folds at corners easily – due to center crease.
- Resists stretching, wrinkling and tearing.

TECHNICAL DATA
- Packaging: 75’ (22.9 m) rolls, 20 rolls / carton
- 250’ (76.2 m) rolls, 20 rolls / carton
- 500’ (152.4 m) rolls, 10 rolls / carton
- Approx. Coverage: 375 ft. / 1,000 sq. ft. (114 m /93 m²) of gypsum board

ProForm® BRAND
Fiberglass Mesh Tape

APPLICATONS
Use on gypsum panel joints and corners. This is designed to use exclusively with setting compounds. Apply self-adhering fiberglass mesh tape to joints or corners before applying setting compounds.

ADVANTAGES
- Eliminates need for embedding coat.
- Provides superior bond – buffered on both sides.
- Folds at corners easily – due to center crease.
- Resists stretching, wrinkling and tearing.

TECHNICAL DATA
- Packaging: 300’ (91.4 m) rolls, 12 rolls / carton
- Approx. Coverage: 375 ft. / 1,000 sq. ft. (114 m /93 m²) of gypsum board

ProForm® BRAND
Multi-Flex Tape

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

ADVANTAGES
- Applies easily.
- Conceals and reinforces gypsum panel joints.
- Works well for hard angles – less than or greater than 90 degrees.

TECHNICAL DATA
- Packaging: 100’ (30.5 m) rolls, 10 rolls / carton
- Approx. Coverage: 100 linear ft. / roll
## TECHNICAL DATA

### FS-90 FIRE-SHIELD® COMPOUND FIRE-RESISTANCE RATINGS

<table>
<thead>
<tr>
<th>Penetrating Item</th>
<th>Annular Space</th>
<th>Hole Size Max.</th>
<th>F Rating</th>
<th>T Rating</th>
<th>UL System No.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2-Hour Wall Systems</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min. 10-33% Max. Fill No. 24 AWG Cable</td>
<td>Min. 1/4” (6.4 mm) Max. 4-1/2” (114 mm)</td>
<td>6” (152 mm)</td>
<td>2 Hr.</td>
<td>0 Hr.</td>
<td>WL3035</td>
</tr>
<tr>
<td>4” dia. (102 mm) EMT Pipe or Steel Pipe</td>
<td>Min. 1/4” (6.4 mm) Max. 2-1/2” (63.6 mm)</td>
<td>7” (178 mm)</td>
<td>2 Hr.</td>
<td>0 Hr.</td>
<td>WL1041</td>
</tr>
<tr>
<td>3” dia. (76.2 mm) Copper Pipe</td>
<td>Min. 1/4” (6.4 mm) Max. 2-1/2” (63.6 mm)</td>
<td>6” (152 mm)</td>
<td>2 Hr.</td>
<td>0 Hr.</td>
<td>WL1041</td>
</tr>
<tr>
<td><strong>3-Hour Wall Systems</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Steel Sleeve, Nom. 6” dia. (152 mm) or Smaller Electrical Metallic Tubing, Conduit or Pipe Schedule 40 (or Heavier)</td>
<td>Max. 1/4” (6.4 mm)</td>
<td>6” (152 mm)</td>
<td>3 Hr.</td>
<td>0 Hr.</td>
<td>CAJ0038</td>
</tr>
<tr>
<td>Steel Pipe, Nom. 4” dia. (102 mm) or Smaller Schedule 40 (or Heavier)</td>
<td>Min. 1/2” (12.7 mm) Max. 3” (76.2 mm)</td>
<td>8” (203 mm)</td>
<td>3 Hr.</td>
<td>0 Hr.</td>
<td>CAJ1163</td>
</tr>
<tr>
<td>10-40% Fill No. 24 AWG Cables, Nom. 6” dia. (152 mm) Metallic Sleeve (Optional)</td>
<td>Min. 1/2” (12.7 mm) Max. 3-1/2” (88.9 mm)</td>
<td>6” (152 mm)</td>
<td>3 Hr.</td>
<td>0 Hr.</td>
<td>CAJ3073</td>
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</table>

Tested in accordance with the standard ANSI/UL1479 and ASTM E814.

### MATERIALS ESTIMATING AND COVERAGE

<table>
<thead>
<tr>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
<td>4’x8’</td>
<td>6</td>
<td>35</td>
<td>168</td>
<td>90</td>
</tr>
<tr>
<td>200</td>
<td>4’x8’</td>
<td>11</td>
<td>70</td>
<td>294</td>
<td>150</td>
</tr>
<tr>
<td>300</td>
<td>4’x8’</td>
<td>17</td>
<td>105</td>
<td>420</td>
<td>240</td>
</tr>
<tr>
<td>400</td>
<td>4’x8’</td>
<td>22</td>
<td>140</td>
<td>546</td>
<td>300</td>
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<tr>
<td>500</td>
<td>4’x8’</td>
<td>28</td>
<td>175</td>
<td>672</td>
<td>390</td>
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<tr>
<td>600</td>
<td>4’x8’</td>
<td>33</td>
<td>210</td>
<td>798</td>
<td>456</td>
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<tr>
<td>700</td>
<td>4’x8’</td>
<td>39</td>
<td>245</td>
<td>924</td>
<td>528</td>
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<tr>
<td>800</td>
<td>4’x8’</td>
<td>44</td>
<td>280</td>
<td>1,050</td>
<td>600</td>
</tr>
<tr>
<td>900</td>
<td>4’x8’</td>
<td>50</td>
<td>315</td>
<td>1,218</td>
<td>696</td>
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<tr>
<td>1,000</td>
<td>4’x8’</td>
<td>55</td>
<td>350</td>
<td>1,344</td>
<td>768</td>
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<tr>
<td>1,100</td>
<td>4’x8’</td>
<td>61</td>
<td>385</td>
<td>1,470</td>
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<tr>
<td>1,200</td>
<td>4’x8’</td>
<td>66</td>
<td>420</td>
<td>1,596</td>
<td>912</td>
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<tr>
<td>1,300</td>
<td>4’x8’</td>
<td>72</td>
<td>455</td>
<td>1,722</td>
<td>984</td>
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<tr>
<td>1,400</td>
<td>4’x8’</td>
<td>77</td>
<td>490</td>
<td>1,848</td>
<td>1,056</td>
</tr>
<tr>
<td>1,500</td>
<td>4’x8’</td>
<td>83</td>
<td>525</td>
<td>1,974</td>
<td>1,128</td>
</tr>
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</table>

### APPROXIMATE WORKING TIME vs. SET HARDENING TIME

<table>
<thead>
<tr>
<th>Quick Set/ Quick Set Lite</th>
<th>Working Time (Minutes)</th>
<th>Set/Hardening Time (Minutes)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>3-5</td>
<td>10-20</td>
</tr>
<tr>
<td>20</td>
<td>15-20</td>
<td>20-40</td>
</tr>
<tr>
<td>45</td>
<td>35-45</td>
<td>45-70</td>
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<tr>
<td>90</td>
<td>70-90</td>
<td>90-125</td>
</tr>
<tr>
<td>210</td>
<td>180-210</td>
<td>210-280</td>
</tr>
</tbody>
</table>

### PARTITION / DECK INTERSECTION SYSTEMS

<table>
<thead>
<tr>
<th>Description</th>
<th>Test Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-Hour Partition/Fluted Deck Juncture</td>
<td>WH495-PSV1067</td>
</tr>
<tr>
<td>2-Hour Partition/Fluted Deck Juncture</td>
<td>WH495-PSV1068</td>
</tr>
<tr>
<td>1-Hour Deflection Track/ Fluted Deck Juncture</td>
<td>WH495-PSV1063</td>
</tr>
<tr>
<td>2-Hour Deflection Track/ Fluted Deck Juncture</td>
<td>WH495-PSV1064</td>
</tr>
</tbody>
</table>
First Finishing Coat: As soon as the Quick Set Lite used for taping has hardened, you may apply the first finishing coat on the flat joints even before they are dry. Use any joint compound for this operation, including Quick Set Lite and ProForm® Ready Mix Joint Compounds. You may apply a second coat at this time to nail or screw heads; one coat on one side of the inside corners and a second coat on the cornerbead if Quick Set Lite was used on the first coat.

Second Finishing Coat: As soon as Quick Set Lite used for the previous step has set, or the ready mix compound has thoroughly dried, apply a second finishing coat to all joints. Apply a third coat over nail or screw heads and on cornerbead as required. At this time, finish the unfinished side of the inside corners.

Taping and Finishing with Mechanical Tools

Taping: Use taping tools, such as the “banjo” and “hopper” types, for taping the flat joints with Quick Set Lite and the inside corners with regular or Quick Set Lite. Do not use automatic taping tools with Quick Set Lite because it is difficult to clean the hardening-type compounds from the tools. Use mechanical tools for taping the inside corners when using a regular joint compound. When using automatic taping tools for taping the flat joints, prefill the flat joints and all the space between the gypsum board edges on the butt joints with Quick Set Lite and allow it to harden (30 minutes longer than the set time designated on the bag) before taping with a regular joint compound.

Finishing: When using conventional finishing compounds, you may use mechanical-type finishing tools in the normal manner for finishing operations. For more information on finishing gypsum board installations, see page 264.

Concrete: You must properly prepare interior poured concrete ceilings prior to filling and finishing. Grind high areas in concrete level with surrounding areas. Remove efflorescence, greasy deposits and any form of oil. Prime exposed metal with a quality, rust-inhibitive primer. Fill voids and level offsets with Quick Set Lite. Apply finishing coats of Quick Set Lite as needed after each coat has hardened.

Mixing

Do not mix more compound than you can apply in the designated set time. Consult the compound packaging for the mixing ratio. Use only clean, drinkable water. Place the designated amount of water in a clean mixing container. Add the compound gradually to the water while stirring. Use a mechanical mixer or your hands.
to mix the compound until it is lump free. Allow standing (soak) for 1 minute, and then remix it until the consistency is smooth and creamy. If you want a thinner or thicker mix, add water or powder sparingly. Be careful not to overmix as it could lead to shortened working times. DO NOT mix with any other joint compounds (wet or dry) and do not use in automatic tools. Before applying, the surface areas should be clean and free of dust and debris.

**ESTIMATED WORKING TIME AND SETTING TIME**

To select the best ProForm® Quick Set™ Joint Compound for your project, you must match its working time and setting time ranges. Working time and setting time are not the same.

**WORKING TIME**

Working time refers to the window of time available to apply ProForm Quick Set Compound once it is ready. At the end of this time, the material begins to stiffen and is no longer easy to spread. Working time should correspond to the required time for actual application.

**SETTING TIME**

Setting time refers to the window of time after you apply ProForm Quick Set Compound and it has become hard enough to apply another layer. For manufactured or modular builders, the setting time should match your timetable for moving a floor along the line.

**APPLYING JOINT AND CORNER FINISHING**

1. Mix ProForm® Quick Set™ Compounds according to the printed instructions on the package.

2. Apply a uniformly thin layer of joint compound over the joint approximately 4 in. (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. Reinforce ceiling, wall angles and inside corner angles with the tape folded to conform to the angle and embedded into the compound.

3. Once the compound is thoroughly dry (approximately 24 hours for regular compound or 2 hours for Quick Set), cover the joint tape with a coat of all-purpose joint compound or topping compound spread approximately 3 in. (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 in. (76.2 mm) beyond the preceding coat.

4. Coat all inside corners with at least one coat of joint or topping compound with the edges feathered out.

5. Apply three coats of compound to all nail or screw head dimples. Apply these coats as applying each coat to the joints.

6. Conceal flanges of gypsum board cornerbead by at least two coats of compound. The second coat should be feathered out approximately 9 in. (229 mm) on both sides of the exposed metal nose.

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

8. For wet sanding, allow each application of compound to dry or harden. If dry sanding, ventilate the work area and/or use a NIOSH/MSHA-approved respirator. We also recommend using safety glasses. Use caution to avoid roughing the gypsum board paper. All gypsum board and treated areas should be smooth and ready for decoration.

**DECORATION**

Before applying paint, wallcovering 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 paint to provide desired finish characteristics is the responsibility of the architect or contractor.

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

**FINISHING**

For more information on finishing gypsum board installations, refer to the Levels of Finish for Gypsum Board section.
SUSTAINABLE DESIGN
- Achieves GREENGUARD and GREENGUARD Gold Certification. GREENGUARD Certified products are certified to GREENGUARD standards for low chemical emissions into indoor air during product usage. For more information, visit: ul.com/gg.
- Qualifies as a low-VOC emitting material by meeting California Specification 01350. For more information, visit: http://www.calrecycle.ca.gov/greenbuilding/specs/section01350/.

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.
- Do not use in automatic taping tools.

Handling And Project Conditions
ENVIRONMENTAL CONDITIONS
Close an opened bag as tight as possible for storage or it may affect the setting time. The shelf life is up to 6 months in high humidity areas and 12 months under good storage conditions (see production date code). Maintain the temperature at a minimum of 50°F (10°C) and protect the container from exposure to extreme heat, sunlight and water to prevent spoilage and freezing. 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.

MIXING
ProForm® Quick Set™ Lite is available in 5, 20, 45, 90 and 210 minute set times. Do not mix more compound than you can apply in the designated set time. Use a plastic container for mixing because it is easy to clean between batches. Do not use a wood or an aluminum bucket. Add the compound gradually to clean water while stirring. Use only fresh, clean water suitable for drinking. Mix at the ratio of 11-12 pints (5.2-5.7 L) of water to the 18 lb. (8.2 kg) bag. Use a mechanical mixer or your hands to mix the compound until it is lump free. (We recommend using a mechanical mixer.) Allow the compound to stand as a “wetting” period and remix to further improve the working qualities. If you want a slightly thinner or thicker compound after mixing, add water or powder sparingly. Close the opened bag as tight as possible or it may affect setting time.

For More Information
ARCHITECTURAL SPECIFICATIONS
National Gypsum Company’s CSI MasterFormat® 3-part guide specifications are downloadable as editable Microsoft® Word documents at: nationalgypsum.com.

LATEST INFORMATION AND UPDATES
For the latest technical information and updates, call NGC Construction Services: 1-800-NATIONAL (628-4662) or visit our website: nationalgypsum.com.