

ProForm® Quick Set™

Fire and Smoke Stop 90 Setting Compound

07 84 00 / NGC

Technical Information
800.NATIONAL • 800.628.4662

DESCRIPTION

ProForm® Quick Set™ Fire and Smoke Stop 90 Setting Compound is a setting/hardening type compound designed to provide protection in fire-stopping penetrations through fire-rated partitions or assemblies in both new and retrofit construction.

BASIC USES

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.

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.

Applicable Standards

Consult local codes for penetration firestop requirements.

Application

Make sure surface is clean, dry and free of loose material. Pay particular attention to cut edges of gypsum board around penetration to ensure there is no loose paper, gypsum crumbles or dust that would inhibit adhesion of Quick Set Fire and Smoke Stop 90. Cut a piece of glass fiber insulation an inch larger than the opening to be sealed. Insulation should be equal to or greater than the depth of the stud cavity. Then cut a hole in this insulation cutout to match the size and location of the penetrant. Cut this ring of fiberglass at the bottom and insert into hole and hang from penetrant.

Apply mixed Quick Set Fire and Smoke Stop 90 into penetration opening with a 6" finishing knife. Force compound into opening to a minimum 1-1/4" thickness. Be sure entire surface is filled with compound. Quick Set Fire and Smoke Stop 90 may be coated over when set even though not yet dry.



Mixing

Mix no more compound than can be use in 75 minutes. For ease of cleaning, a plastic container is recommended. Mix at the rate of 12 to 13 pts. (5.7 L to 6.2 L) of clean drinkable water to the 25 lb. (11.3 kg) bag.

Add the compound to clean water and mix until free of lumps. Allow to stand 5 minutes and remix. If a thinner or thicker mix is desired, add water or powder sparingly. When power mixing is used, motor speed should not exceed 400 rpm since high speed and pronged mixing will shorten the working life.

Coverage

A 25 lb. bag of Quick Set Fire and Smoke Stop 90 when mixed with 12.5 pts. of water will produce enough compound to fill approximately 850 cu. in. If less than a full bag will be needed, then plan on a ratio of 2 parts dry powder to 1 part water. For example, 2 lbs. of powder will need 1 pt. of water to produce enough compound to fill 68 cu. in.

Job Name _____

Contractor _____ Date _____

Submittal Approvals: (Stamps or Signatures)

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TECHNICAL DATA

Physical Properties		Partition/Deck Intersection Systems	
Packaging	25 lbs. (11.3 kg) Bag	Description	Test Reference
Approx. Coverage	850 cu. in.	1-Hour Partition/Fluted Deck Juncture	WHI495-P5V1067
Mixing	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.	2-Hour Partition/Fluted Deck Juncture	WHI495-P5V1068
		1-Hour Deflection Track/ Fluted Deck Juncture	WHI495-P5V1063
		2-Hour Deflection Track/ Fluted Deck Juncture	WHI495-P5V1064

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

Tested in accordance with the standard ANSI/UL 1479 and ASTM E814.

Applicable Standards and References
ASTM C475 <i>Standard Specification for Joint Compound and Joint Tape for Finishing Gypsum Board</i>
ASTM C840 <i>Standard Specification for Application and Finishing of Gypsum Board</i>
ASTM E119 <i>Standard Test Methods for Fire Tests of Building Construction and Materials</i>
Gypsum Association, GA-214 <i>Levels of Finish for Gypsum Panel Products</i>
Gypsum Association, GA-216 <i>Application and Finishing of Gypsum Panel Products</i>
ProForm Finishing Products, LLC Manufacturer Standards, <i>NGC Construction Guide</i>
ProForm Finishing Products, LLC, <i>ProForm® Finishing Products Construction Guide</i>

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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.

Latest Technical Information and Update

Visit 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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PROFORM®
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