

ProForm® Concrete Cover Joint Compound

09 29 00 / NGC

Technical Information
800.NATIONAL • 800.628.4662

DESCRIPTION

ProForm® Concrete Cover Joint Compound is a vinyl-base compound specifically formulated for smoothing or texturing above grade monolithic interior concrete ceilings and columns.

BASIC USES

Concrete Cover Compound is a pre-mixed vinyl base compound specifically formulated for smoothing or texturing above grade monolithic interior concrete ceilings and columns. It may be used for texturing drywall, embedding drywall tape and as a first coat over drywall beads and trims.

Applications

Concrete Cover Compound is specifically formulated for enhanced bond when applied to interior monolithic concrete ceilings and columns. It can be sprayed, brushed, rolled, trowel-applied or applied with drywall finishing boxes and/or taping tools. It provides excellent bond for embedding drywall tape and laminating gypsum board and can be used to first-coat beads and trim and spot drywall fasteners. It develops its strength and hardness by drying. By adjusting consistency and/or varying application techniques, it creates an almost endless variety of textures – the most typical are Smooth, Spray Spatter, Spatter Knock-Down or Orange Peel.

Advantages

- 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.
- Mold resistant.

INSTALLATION RECOMMENDATIONS

Install Concrete Cover Compound according to the methods described in "Applicable Standards and References" and as indicated in this section.

MIXING

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.

Surface Preparation

New concrete must age 60 days. Grind all high areas in concrete level with surrounding areas. Remove efflorescence, greasy deposits



and any form of oil. Prime exposed metal with quality rust-inhibitive primer. Fill voids and level offsets with Quick Set Lite™ Setting Compound. Apply finishing coats of quick setting compound to fill voids as necessary after each coat has hardened. The surface to receive compound must be smooth, clean, dry and free of water soluble materials. Previously painted surfaces must be firm, clean and dry. Concrete treated with curing compound is not always suitable for Concrete Cover Compound.

Spray Application

By adjusting compound consistency, air pressure and/or varying application techniques, a variety of textures can be achieved. Always consult spray equipment manufacturer for proper equipment recommendations. A smooth surface can be achieved by troweling material with a hawk and trowel or wiped smooth with a drywall wipe-down knife.

Hopper type hand guns should have nozzle openings of 1/4" to 3/8" with operating air pressures of 20 to 30 psi. Pole guns should have nozzle openings of 1/4" to 3/8" with a material feed pressure of 40 to 60 psi at the air tank. As a general rule, air pressure at the tank should be twice that of the material pressure. Airless sprayers should have a tip size of .025 to .031 with air pressure at the tip 2500 to 3000 psi and include a 3/8" I.D. high pressure material hose.

Roller Application

Use up to a 1" nap paint roller to apply compound to surface. Once compound has been applied, a variety of texture brushes can be utilized to achieve the desired texture. A smooth surface can be achieved by troweling material smooth with a hawk and trowel or wiped smooth with a drywall wipe-down knife.

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Job Name _____

Contractor _____ Date _____

Submittal Approvals: (Stamps or Signatures)

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TECHNICAL DATA

Physical Properties

Packaging **Pail:** 61.7 lbs. (28 kg)*

*Pail contains 30% post-consumer recycled (PCR) plastic.

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.

Note: Allow concrete to cure for at least 28 days. Clip protruding wire ends and spot with rust-inhibitive primer. Remove all form of 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 Lite™ setting compound. Apply a coat of alkali-resistant sealing primer over the entire surface to be textured.

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*

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Drywall Taping

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

Decoration

Before paint, wall covering or other decorating materials are applied, 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. Concrete Cover Compound can be left unpainted in non-contact areas.

Sustainable Designs

Achieves UL GREENGUARD Gold Certification 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:

calrecycle.ca.gov/greenbuilding/specs/section01350.

LIMITATIONS

- Protect from freezing and exposure to extreme heat and direct sunlight.
- Do not apply to exterior surfaces.
- Do not apply to below grade monolithic concrete, moist surfaces or surfaces that are subject to moisture.
- Excessive mixing with an electric drill can cause undesirable changes in viscosity and in finished surface appearance.
- Care should be taken when water is added to thin to a desired consistency.

Stacking

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

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.

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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