



# PRO GROUT™ MAX 2.0

## 2. MANUFACTURER

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## 3. PRODUCT DESCRIPTION

PRO GROUT™ MAX 2.0 is an ultra-premium, next-generation, polymer-modified, rapid-curing, efflorescence-free "hybrid" cement grout. PRO GROUT™ MAX 2.0 has an advanced-technology aggregate that offers the advantages of unsanded grout (vertical application, narrow joints and very low tile scratching) and sanded grout (floor application, wide joints and high compressive strength). The product formulation also eliminates the common issues associated with Portland-cement grouts, such as efflorescence and color consistency. Mixed with water, the 2-in-1 performance of PRO GROUT™ MAX 2.0 allows grouting from 1.5 mm (1/16") to 25 mm (1") wide. PRO GROUT™ MAX 2.0 also provides unparalleled color uniformity with exceptional non-sag properties and is ideal for fast-track, time-constrained projects as it allows foot traffic just 3 hours after application.

### Features

- ♦ **2-in-1 hybrid grout, which replaces the use of sanded or unsanded grout for floor and wall grouting**
- ♦ **STAIN RESISTANCE – no sealer required! Water-Beading Technology™ provides a hydrophobic effect that offers superior resistance to water and oily stains**
- ♦ **Efflorescence-free!**
- ♦ For residential, commercial and institutional, interior and exterior applications
- ♦ For joints from 1.5 mm (1/16") to 25 mm (1") wide
- ♦ Qualifies as part of PROMA's LIMITED WARRANTY PROGRAM up to a LIFETIME (contact PROMA for details)
- ♦ Advanced technology aggregate provides an ultra-smooth consistency and unequalled color uniformity
- ♦ Extremely easy to apply and clean
- ♦ Rapid-curing and high initial compression strength allows foot traffic after 3 hours
- ♦ Suitable for most types of ceramic and porcelain tiles, quarry tiles, pavers, natural and engineered dimension stones, granite, slate, glass tile and mosaics
- ♦ Excellent performance in wet and submerged areas, including water basins, fountains, pools and gang showers
- ♦ No VOC
- ♦ Exceeds ANSI A118.7 requirements
- ♦ Contributes to LEED® objectives and requirements
- ♦ Comes in all PROMA colors

### Packaging

4.54 kg (10 lb) plastic bag; 11.34 kg (25 lb) plastic bag

**ALSO AVAILABLE:** PRO GROUT™ MAX 2.0 – MEASURING PAIL is translucent with measuring lines in both metric and English. PRO GROUT™ MAX 2.0 – GROUT FLOAT is made of premium-quality, soft but hard wearing rubber, with rounded and angled corners, and a durable form-fitting plastic handle.



### Limitations

- ♦ Do not use for grouting when high chemical, stain and impact resistance is required or for heavy-duty industrial floors. Use PRO GROUT™ XTREME instead (refer to respective technical data sheet for more information).
- ♦ Do not use when surface and ambient temperatures are below 10°C (50°F) or above 35°C (95°F) or for exterior grouting when rain is expected within 24 hours.
- ♦ PRO GROUT™ MAX 2.0 has a hydrophobic effect (Water-Beading Technology™) to provide resistance to water and oily stains, so sealing is not required. However, if application of a grout sealer is still desired, a high-performance penetrating grout sealer such as PRO AQUASEAL™ or PRO AQUASEAL™ PLUS may be applied after 48-72 hours of grout application (see technical data sheet for details).
- ♦ **"Caution":** Certain types of porous, rough or very absorbent tiles may require application of a sealer before grouting in order to prevent permanent staining. Reference tile manufacturer's guidelines and recommendations.

Some tiles or porcelain with textured surfaces could entrap grout and pigment particles. In such cases, application of a grout release, such as PRO GROUT™ EASE, may be used to aid cleanup (see technical data sheet for details). Reference tile or porcelain manufacturer's guidelines and recommendations. Test on a sample or in a small discrete area prior to grouting.

Pigments and aggregate found in cement grout can stain, scratch, damage, and dull certain types of material, such as granite, marble, and glass. Reference material manufacturer's guidelines and recommendations. Test on a sample or in a small discrete area prior to grouting.





## Limitations (continued)

Generally, white grouts are more suitable for grouting marbles and white or pastel granites. Refer to marble and granite manufacturer guidelines and recommendations. Test on a sample or small area beforehand to ensure compatibility between product and grout.

- **Color variations** may occur with cement-based grout. These may arise from differences in production batches, the nature of tile types, porosity, jobsite conditions, environmental conditions, application techniques, and cleaning. **Color variations, mottling, and dullness can be minimized by blending the grout powder from different bags together before mixing with water, strictly following proper application instructions, and using as little water as possible when cleaning.**
- Avoid harsh acids or chemical cleaning for the initial cleanup and while curing.

## 4. TECHNICAL DATA

### Applicable Standards

For Additional Information, please refer to the most recent TCNA handbook for ceramic tile installation or the TTMAC Specification Guide 09 30 00 Tile Installation Manual, or visit our website at [www.proma.ca](http://www.proma.ca).

#### PHYSICAL PROPERTIES (@23° C [73° F] and 50% RH)

|                                                   |               |
|---------------------------------------------------|---------------|
| Pot life                                          | 30-50 minutes |
| Lead time prior initial clean up                  | 15-30 minutes |
| Lead time prior to light traffic                  | 3 hours       |
| Lead time prior to heavy traffic                  | 24 hours      |
| Lead time prior to water immersion or freeze/thaw | 72 hours      |
| Lead time prior to sealing                        | 48-72 hours   |
| Density (paste)                                   | 1.89 g/mL     |
| pH                                                | 11-13         |
| VOC content                                       | 0 g/L         |

#### MECHANICAL PROPERTIES (@23° C [73° F] and 50% RH) per ANSI A118.7

|                                                                                    |                      |
|------------------------------------------------------------------------------------|----------------------|
| <b>Compressive strength @ 24 hours</b>                                             |                      |
| Requirements                                                                       | Results              |
| > 500 psi (3.4 MPa)                                                                | > 2500 psi (17 MPa)  |
| <b>Compressive strength @ 28 days</b>                                              |                      |
| Requirements                                                                       | Results              |
| > 3,000 psi (21 MPa)                                                               | > 4,500 psi (31 MPa) |
| <b>Tensile strength @ 28 days</b>                                                  |                      |
| Requirements                                                                       | Results              |
| > 500 psi (3.4 MPa)                                                                | > 500 psi (3.4 MPa)  |
| <b>Flexural strength @ 28 days</b>                                                 |                      |
| Requirements                                                                       | Results              |
| > 1,000 psi (6.9 MPa)                                                              | 1,100 psi (7.6 MPa)  |
| <b>Linear shrinkage @ 27 days</b>                                                  |                      |
| Requirements                                                                       | Results              |
| < 0.2%                                                                             | < 0.1%               |
| <b>Water absorption (%)</b>                                                        |                      |
| Requirements                                                                       | Results              |
| < 5%                                                                               | < 2.5%               |
| <b>Shelf life</b>                                                                  |                      |
| 12 months if kept in its original unopened packaging and stored in a dry location. |                      |

#### Approximate Coverage per ft² (m²) for 10 lbs (4.54 kg)

| Tile Size              | Joint Width |           |           |           |           |           |
|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
|                        | 1/16"       | 1/8"      | 3/16"     | 1/4"      | 3/8"      | 1/2"      |
|                        | (1.5 mm)    | (3 mm)    | (4.5 mm)  | (6 mm)    | (10 mm)   | (12 mm)   |
| 1" x 1" x 1/4"         | 40 ft²      | 20 ft²    | 13 ft²    | 10 ft²    | 7 ft²     | 5 ft²     |
| (25 x 25 x 6 mm)       | (3,7 m²)    | (1,9 m²)  | (1,2 m²)  | (0,92 m²) | (0,61 m²) | (0,46 m²) |
| 2" x 2" x 1/4"         | 80 ft²      | 40 ft²    | 27 ft²    | 20 ft²    | 13 ft²    | 10 ft²    |
| (50 x 50 x 6 mm)       | (7,4 m²)    | (3,7 m²)  | (2,5 m²)  | (1,9 m²)  | (1,2 m²)  | (0,92 m²) |
| 4 1/4" x 4 1/4" x 1/4" | 170 ft²     | 85 ft²    | 57 ft²    | 43 ft²    | 28 ft²    | 21 ft²    |
| (108 x 108 x 6 mm)     | (15,7 m²)   | (7,9 m²)  | (5,3 m²)  | (3,9 m²)  | (2,6 m²)  | (2,0 m²)  |
| 6" x 6" x 1/4"         | 240 ft²     | 120 ft²   | 80 ft²    | 60 ft²    | 40 ft²    | 30 ft²    |
| (150 x 150 x 6 mm)     | (22,2 m²)   | (11,1 m²) | (7,4 m²)  | (5,6 m²)  | (3,7 m²)  | (2,8 m²)  |
| 6" x 24" x 3/8"        | 256 ft²     | 128 ft²   | 85 ft²    | 64 ft²    | 43 ft²    | 32 ft²    |
| (150 x 600 x 10 mm)    | (23,7 m²)   | (11,8 m²) | (7,9 m²)  | (5,9 m²)  | (4,0 m²)  | (3,0 m²)  |
| 8" x 8" x 3/8"         | 214 ft²     | 107 ft²   | 71 ft²    | 5 ft²     | 36 ft²    | 27 ft²    |
| (200 x 200 x 10 mm)    | (20,0 m²)   | (9,9 m²)  | (6,6 m²)  | (5,0 m²)  | (3,3 m²)  | (2,5 m²)  |
| 10" x 10" x 3/8"       | 267 ft²     | 134 ft²   | 89 ft²    | 67 ft²    | 45 ft²    | 33 ft²    |
| (254 x 254 x 10 mm)    | (25 m²)     | (12 m²)   | (8,3 m²)  | (6,2 m²)  | (4,2 m²)  | (3,1 m²)  |
| 12" x 24" x 3/8"       | 427 ft²     | 214 ft²   | 142 ft²   | 107 ft²   | 71 ft²    | 53 ft²    |
| (300 x 600 x 10 mm)    | (40,0 m²)   | (19,9 m²) | (13 m²)   | (9,9 m²)  | (6,6 m²)  | (5,0 m²)  |
| 18" x 18" x 3/8"       | 480 ft²     | 240 ft²   | 160 ft²   | 120 ft²   | 80 ft²    | 60 ft²    |
| (457 x 457 x 10 mm)    | (44,6 m²)   | (22,3 m²) | (14,8 m²) | (11,1 m²) | (7,5 m²)  | (5,6 m²)  |
| 20" x 20" x 3/8"       | 534 ft²     | 267 ft²   | 178 ft²   | 13 ft²    | 89 ft²    | 67 ft²    |
| (508 x 508 x 10 mm)    | (49,5 m²)   | (24,7 m²) | (16,5 m²) | (12,3 m²) | (8,3 m²)  | (6,2 m²)  |
| 24" x 24" x 3/8"       | 640 ft²     | 320 ft²   | 214 ft²   | 160 ft²   | 107 ft²   | 80 ft²    |
| (610 x 610 x 10 mm)    | (59,4 m²)   | (29,7 m²) | (19,8 m²) | (14,8 m²) | (9,9 m²)  | (7,4 m²)  |

#### Approximate Coverage per ft² (m²) for 25 lbs (11,34 kg)

| Tile Size              | Joint Width |           |           |           |           |           |
|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
|                        | 1/16"       | 1/8"      | 3/16"     | 1/4"      | 3/8"      | 1/2"      |
|                        | (1.5 mm)    | (3 mm)    | (4.5 mm)  | (6 mm)    | (10 mm)   | (12 mm)   |
| 1" x 1" x 1/4"         | 100 ft²     | 50 ft²    | 33 ft²    | 25 ft²    | 17 ft²    | 13 ft²    |
| (25 x 25 x 6 mm)       | (9,3 m²)    | (4,6 m²)  | (3,1 m²)  | (2,3 m²)  | (1,5 m²)  | (1,2 m²)  |
| 2" x 2" x 1/4"         | 200 ft²     | 100 ft²   | 67 ft²    | 50 ft²    | 33 ft²    | 25 ft²    |
| (50 x 50 x 6 mm)       | (18,6 m²)   | (9,3 m²)  | (6,2 m²)  | (4,6 m²)  | (3,1 m²)  | (2,3 m²)  |
| 4 1/4" x 4 1/4" x 1/4" | 425 ft²     | 213 ft²   | 142 ft²   | 106 ft²   | 71 ft²    | 53 ft²    |
| (108 x 108 x 6 mm)     | (39,5 m²)   | (19,8 m²) | (13,2 m²) | (9,9 m²)  | (6,6 m²)  | (4,9 m²)  |
| 6" x 6" x 1/4"         | 600 ft²     | 300 ft²   | 200 ft²   | 150 ft²   | 100 ft²   | 75 ft²    |
| (150 x 150 x 6 mm)     | (55,8 m²)   | (27,9 m²) | (18,6 m²) | (13,9 m²) | (9,3 m²)  | (7,0 m²)  |
| 6" x 24" x 3/8"        | 640 ft²     | 320 ft²   | 214 ft²   | 160 ft²   | 107 ft²   | 80 ft²    |
| (150 x 600 x 10 mm)    | (59,5 m²)   | (29,7 m²) | (19,8 m²) | (14,9 m²) | (9,9 m²)  | (7,4 m²)  |
| 8" x 8" x 3/8"         | 534 ft²     | 267 ft²   | 178 ft²   | 133 ft²   | 89 ft²    | 67 ft²    |
| (200 x 200 x 10 mm)    | (49,6 m²)   | (24,8 m²) | (16,5 m²) | (12,4 m²) | (8,3 m²)  | (6,2 m²)  |
| 10" x 10" x 3/8"       | 667 ft²     | 334 ft²   | 222 ft²   | 167 ft²   | 111 ft²   | 83 ft²    |
| (254 x 254 x 10 mm)    | (62,0 m²)   | (31,0 m²) | (20,7 m²) | (15,5 m²) | (10,3 m²) | (7,7 m²)  |
| 12" x 24" x 3/8"       | 1067 ft²    | 534 ft²   | 356 ft²   | 267 ft²   | 178 ft²   | 134 ft²   |
| (300 x 600 x 10 mm)    | (99,2 m²)   | (49,6 m²) | (33,1 m²) | (24,8 m²) | (16,5 m²) | (12,4 m²) |
| 18" x 18" x 3/8"       | 1201 ft²    | 600 ft²   | 400 ft²   | 300 ft²   | 200 ft²   | 150 ft²   |
| (457 x 457 x 10 mm)    | (111,6 m²)  | (55,8 m²) | (37,2 m²) | (27,9 m²) | (18,6 m²) | (13,9 m²) |
| 20" x 20" x 3/8"       | 1334 ft²    | 667 ft²   | 445 ft²   | 334 ft²   | 222 ft²   | 167 ft²   |
| (508 x 508 x 10 mm)    | (124,0 m²)  | (62,0 m²) | (41,3 m²) | (31,0 m²) | (20,7 m²) | (15,5 m²) |
| 24" x 24" x 3/8"       | 1601 ft²    | 801 ft²   | 534 ft²   | 400 ft²   | 267 ft²   | 200 ft²   |
| (610 x 610 x 10 mm)    | (148,7 m²)  | (74,4 m²) | (49,6 m²) | (37,2 m²) | (24,8 m²) | (18,6 m²) |

Visit our web site [www.proma.ca](http://www.proma.ca) and refer to our **GROUT CALCULATOR** to help determine the approximate amount of grout needed for any sized job.





## 5. INSTALLATION

### Surface Preparation

- Tiles must be firmly secured to a sound solid non-deflecting substrate in accordance with the appropriate ANSI A108 Standard recommendations.
- The setting mortar or adhesive must be cured and dry in accordance with the "Prior to grouting" product instruction requirements.
- Joint spaces should be uniform in depth and clear of all spacers, excess mortar, dust, dirt, free water, and other debris. Thoroughly vacuum and clean joints and entire tile area to remove all contaminants.
- Apply a protective sealer to certain types of porous, rough or very absorbent tiles before grouting in order to prevent permanent staining. Reference tile manufacturer's guidelines and recommendations.
- A grout release such as PRO GROUT™ EASE can be applied to facilitate the cleaning stage (see technical data sheet for more details).

### Mixing

#### Mixing Ratio: 3 ¾ parts powder to 1 part water (by volume)

1. For best results, the same designated person should mix all of the grout. Consistency in the mixing process and in the water/powder ratio from batch to batch is essential to achieve consistent results.
2. Before adding water, dry mix the grout to minimize color variations that may be caused by pigment separation during shipping, especially when multiple bags of different lot numbers are used.
3. Use clean mixing containers and tools.
4. In the mixing container, measure and pour clean cool water and gradually add PRO GROUT™ MAX 2.0 powder mix, while mixing slowly, using the following ratios:

| Approximate water content                                 | PRO GROUT™ MAX 2.0   |
|-----------------------------------------------------------|----------------------|
| 0.98-1.11 L (0.25-0.29 US gal, 1.03-1.28 US quarts) ..... | 4.54 kg (10 lb) bag  |
| 2.44-2.78 L (0.63-0.72 US gal, 2.58-2.94 US quarts) ..... | 11.34 kg (25 lb) bag |

5. For better color uniformity, use measuring pails to better control and maintain the same constant proportion of water and grout powder that are mixed. Consistency in the process and in the water/powder ratio in batch to batch mixing is paramount to achieving professional results.
6. Mix using a slow-rotation mixer (350 rpm) until a homogeneous, smooth and easy-to-spread mixture is obtained. Do not mix too long as this will trap air, which can create pinholes and will reduce the life of the mix, which can cause the grout to harden prematurely.
7. Let mixture sit still (slake) for about 5 minutes, then re-mix without adding any water or powder. Continue to stir the mixture periodically as it is spread, but never add water. Using an excessive amount of water for mixing or cleaning can weaken the grout joint, cause shrinkage, and produce color variations.

### Application

**Note:** Installation procedure should conform to ANSI A108.10 Standard recommendations.

1. Lightly dampen absorptive, highly porous tile or stone with clean, cool water prior to grouting (leaving no standing water in the open joint space) or apply a grout release product such as PRO GROUT™ EASE to aid in the cleaning process and prevent potential staining (see respective technical data sheet for more details).
2. Using a rigid, sharp-edge rubber float held at a 45° angle, force grout diagonally across joints until they are free of voids or pinholes and full to the edge of tiles or stones.
3. Remove excess grout using the edge of the float held firmly at a 90° angle in successive diagonal passes.
4. Allow grout to harden sufficiently for approximately 15-30 minutes, depending on the type of tile or stone and ambient temperature and humidity conditions, before cleaning grout joints.
5. Use as little water as possible for cleaning as too much water can discolor and weaken grout joints.
6. Smooth and level joints and remove excess grout from tile or stone with a slightly damp (NOT WET) sponge, wiping lightly and delicately in diagonal strokes. Change water and rinse sponge frequently. Keeping the water and sponge clean will achieve better joint color uniformity.

7. Wait at least 1 hour before removing the final haze from the tile or stone surface with a soft dry white or neutral cloth. (Removal of dry grout haze from unglazed or unpolished stone surfaces can also be successfully achieved by using a white nylon scouring pad with fine grain). DO NOT ACID WASH.

**Note:** All expansion and control joints must be carried through from substrate to final flooring and filled with an industry-approved flexible sealant, such as PRO COLOR SEAL™ ULTRA, in accordance with ANSI A108.01 norm and TCNA detail EJ171 or TTMAC detail 301MJ. Do not fill or cover expansion and control joints with installation material. Contact PROMA's technical department for additional information.

### Curing and Protection

- Grout must be fully cured before regular cleaning.
- Protect from weather, freezing, excessive heat and complete water immersion for at least 72 hours (or as required by the setting mortar or adhesive instructions).
- Floors: Protect floors from foot traffic for at least 3 hours and from heavy commercial or industrial traffic for at least 24 hours.
- Walls: Protect from water and impact vibration for 24-72 hours (or as required by the setting mortar or adhesive instructions).
- Showers, pools, fountains, basins, etc.: Protect from water for at least 24 hours. Do not fill pools or fountains for at least 72 hours after installation. Protect from pool chemical contact for at least 7 days after installation (or as required by the setting mortar or adhesive instructions).
- Temperature and humidity conditions affect the curing of all cement-based products. Allow for extended curing and protection periods at lowering temperatures under 15°C (60°F) and/or when the ambient relative humidity is higher than 70%.
- Avoid contact with chemical cleaners for at least 7 days after installation.

**Notes:** PRO GROUT™ MAX 2.0 has a hydrophobic effect (Water-Beading Technology™) to provide resistance to water and oily stains, so sealing is not required. However, if application of a grout sealer is still desired, a high-performance penetrating grout sealer such as PRO AQUASEAL™ or PRO AQUASEAL™ PLUS may be applied after 48-72 hours of grout application (see technical data sheet for details).





## Cleaning and Maintenance

Clean tools and hands with water while the product is still fres-

## Health and Safety

Refer to the Safety Data Sheet (SDS) for complete details.

## 6. AVAILABILITY AND COST

PROMA products are widely available in Canada and the Northeast United States. To find a distributor of PROMA products, call **toll-free: 1.866.51.PROMA (77662)**.

## 7. WARRANTY

PROMA warrants that this product is manufactured using quality raw materials and is of merchantable quality and suitable for the purpose for which it was intended. PROMA's liability under this warranty shall be limited to the replacement of its product proven to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential, arising from the use of/or the inability to use this product.

**PRO GROUT™ MAX 2.0 qualifies as part of PROMA's LIMITED WARRANTY PROGRAM up to a LIFETIME, the whole subject to the terms and conditions of the applicable warranty program. This limited program applies to specific individual PROMA products when used together as a complete system. A combination of qualifying PROMA products must be properly used for each stage of preparation, installation, and finishing to be eligible for this limited warranty program. Visit [www.proma.ca](http://www.proma.ca), or contact PROMA by phone (toll-free: 1 866.51.PROMA [77662]) or by email ([info@proma.ca](mailto:info@proma.ca)) for complete terms and conditions.**

## 8. MAINTENANCE

Product requires no special maintenance.

## 9. TECHNICAL SERVICE

For more detailed information on this product, please contact our technical department for proper recommendations and job field assistance. **Toll-free: 1.866.51.PROMA (77662)**.

## 10. FILING SYSTEM

Additional information is available upon request, or by visiting [www.proma.ca](http://www.proma.ca).

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