



PRO GROUT PLUS™ MAX

STAIN PROTECTOR

2. MANUFACTURER

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3. PRODUCT DESCRIPTION

PRO GROUT PLUS™ MAX is a professional-grade, water-based, powerful additive that mixes with PRO GROUT™ MAX cementitious grout instead of water to provide increased stain resistance to water and oil-based stains, dirt and grime.

Features

- ◆ Use in place of water for mixing with PRO GROUT™ MAX cement grout
- ◆ Protects grout against water and oil-based stains, dirt and grime
- ◆ Grout and seal in one easy step
- ◆ For interior and exterior, commercial and residential applications
- ◆ Maintains application and use characteristics of grout
- ◆ Will not affect grout color
- ◆ Reduces shrinkage of grout
- ◆ Reduces grout water absorption
- ◆ Low VOC
- ◆ Meets or exceeds ANSI A118.7 requirements when mixed with PRO GROUT MAX
- ◆ Contributes to LEED® objectives and requirements

Packaging

815 mL (27.5 fl oz) bottle

2.0 L (2.11 US qt) bottle

Limitations

PRO GROUT PLUS™ MAX maintains all application and use characteristics of the grout it is mixed with, so strictly follow all grout limitations, recommendations and application instructions (see respective technical data sheets for details).

- ◆ Do not use for grouting when chemical and impact resistance is required or for heavy-duty industrial floors.
- ◆ Do not use with epoxy grouts, such as PRO GROUT XTREME™, premixed grouts such as PRO GROUT™ ONE or any other grout claiming stain resistance (see respective grout technical data sheets for details).
- ◆ Properly seal porous tile and stone to prevent grout absorption into tile or stone.



When mixed with
PRO GROUT™ MAX



- ◆ PRO GROUT PLUS™ MAX will not affect the color of grout, but color variations can occur in any cement product including grout due to normal slight variations in the product from different batch lot numbers, differing tile types, tile porosity, jobsite and environmental conditions, application and cleaning techniques. Shading, fading and color variations can be minimized by dry pre-blending all the contents from several grout bags or containers together before mixing with PRO GROUT PLUS™ MAX, by proceeding in strict accordance with product instructions and by cleaning with as little water as possible. Avoid acid or chemical cleaning.
- ◆ Do not use with mortars as an additive or with any other cementitious products.
- ◆ Do not mix with other additives.
- ◆ Resists stains under normal use.





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.

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

NOTICE: For further information and technical comparisons, consult PRO GROUT™ MAX data sheet.

Physical state	Liquid
VOC content	9 g/L
Specific gravity	1.1
Flash point	>200°C (392°F)
Freeze point	0°C (32°F)
pH	7-9
Water absorption % when mixed with PRO GROUT PLUS™ MAX (ANSI A118.7) compared to PRO GROUT MAX when mixed with water!	Reduced by 40%
Stain resistance @ 7 DAYS when mixed with PRO GROUT PLUS™ MAX compared to PRO GROUT MAX when mixed with water!	Increased by 50%
Shelf life	24 months if kept in its original unopened packaging and stored in a dry location.

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.
- ♦ Remove all spacers, pegs or ropes.
- ♦ Vacuum and clean tile surfaces thoroughly to remove all contaminants.
- ♦ Joint spaces should be uniform in depth and width and free of excess mortar, dust, dirt, free water and debris.
- ♦ Pre-seal tile or stone that can be subject to staining; follow the tile or stone manufacturer's instructions and recommendations.

Mixing

Mixing ratio:

11.34 kg (25 lb) bag PRO GROUT™ MAX	Mix with 1 bottle of 2.0 L (2.1 US qt) PRO GROUT PLUS™ MAX
4.54 kg (10 lb) box PRO GROUT™ MAX	Mix with 1 bottle of 815 mL (27.5 fl oz) PRO GROUT PLUS™ MAX

**A small amount of water can be added to get the desired consistency.*

1. For best results, the same designated person should mix all of the grout.
2. To minimize shading and color variation and to achieve uniform pigment and aggregate dispersion, especially when using several bags or containers from different batch numbers, dry-blend all the powder contents of the bags or containers together before mixing with PRO GROUT PLUS™ MAX.
3. Use clean mixing containers and tools.
4. In the mixing container, pour PRO GROUT PLUS™ MAX additive then gradually add grout powder mix, while mixing slowly (follow mixing ratio recommendations)
5. Mix thoroughly, preferably with a low-speed mixer (max. 450 RPM) until a homogeneous, easy-spread consistency is achieved. Avoid prolonged mixing or air entrapment which may shorten the pot life and cause premature drying, pin-holing and excessive shrinkage.
6. Let the mixture sit still (slake) for about 5 minutes and re-mix without adding any liquid or powder. Re-mix grout periodically while spreading without ever adding water. An excess amount of water used for mixing or cleaning causes weakening, shrinkage, efflorescence and color variation of the grouted joints.
7. Clean tools and hands with water while the product is still fresh.

Application

Refer to PRO GROUT™ MAX data sheet for complete information.

Expansion and Control Joints

- ♦ Install control joints where tiles abut restraining surfaces, around the perimeter of the work and at the base of columns and curbs.
- ♦ Install and space expansion and control joints in all directions in accordance with TCNA HANDBOOK FOR CERAMIC TILE INSTALLATION Detail #EJ-171 recommendations, or TTMAC Specification Guide 09 30 00 Detail #301-MJ recommendations. CAUTION: DO NOT cut EXPANSION JOINTS in after the tiles have been installed. Install tiles normally and stop when the control joint location is reached. Cut the tile if required and resume setting from the opposite side of the joint. Before proceeding further, rake the joint and leave the tile and joint space clean.
- ♦ DO NOT FILL EXPANSION JOINT SPACE UNTIL GROUTING IS COMPLETED on the remainder of the job.
- ♦ Install a suitable industry-approved compressible bead and flexible sealant to caulk expansion and control joints. Follow the sealant manufacturer's installation instructions.





Curing and Grouting

Refer to PRO GROUT™ MAX data sheet for complete information.

- ◆ Do not step on floors and protect area from foot traffic for at least 3 hours, depending on temperatures and humidity conditions.
- ◆ Protect walls from water contact, impact and vibration for at least 24-72 hours.
- ◆ Allow at least 24 hours from installation before grouting tiles.

Note: Extended protection and downtime requirements before grouting may be required depending on temperature and humidity conditions and on the porosity and size of the tile or stone being installed.

Cleaning

Clean tools and hands with water while the grout is still fresh.
A neutral cleaner should be used for routine cleaning and daily maintenance.

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.

8. MAINTENANCE

PRO GROUT PLUS™ MAX, when mixed with PROMA's PRO GROUT™ MAX, resists dirt and stains, but routine cleaning is still recommended. Avoid acid or chemical cleaning.

PROTECT FROM FREEZING

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.





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