



Commercial Order Desk:

P 613 244 3773

F 613 244 8553

E order@eurotilestone.com

General Inquiries:

P 613 244 4315

F 613 244 4320

E info@eurotilestone.com

3103 Hawthorne Rd | Ottawa, Ontario K1G 3V8

Connect with us on:



<http://eurotilestone.com/>



PRO EFFLONET™

2. MANUFACTURER

PROMA Adhesives Inc.

9801, Parkway, Anjou, Quebec Canada H1J 1P3

Tel.: 514.852.8585

Fax: 514.852.8225

Toll-free: 1 866.51.PROMA (77662)

Email: info@proma.ca

Web: www.proma.ca

3. PRODUCT DESCRIPTION

PRO EFFLONET is a ceramic joint cleaner specially formulated to eliminate efflorescence (whitish powder encrusted on the surface of the grout) caused by Portland cement. Removes light or heavy cement grout residues. PRO EFFLONET requires little rubbing and will not damage ceramic surface or original grout color.

Features

- ◆ Use with ceramic, porcelain and granite
- ◆ Use on cementitious grout
- ◆ Use with paving stones and concrete surfaces
- ◆ Use on counters, floors, walls, showers, shower doors and toilets
- ◆ Use to remove rust from metal ramps and surfaces
- ◆ Removes calcium residues on car and entrance carpets
- ◆ Removes light rust and calcium rings in toilets, bathtubs, shower doors and knobs
- ◆ Organic acid based cleaner
- ◆ Contains no phosphoric, hydrochloric or hydrofluoric acid
- ◆ Considered non-corrosive for skin, as per WHMIS, but corrosive by Health Canada because of pH < 1
- ◆ Faint odor
- ◆ No VOC
- ◆ For interior and exterior institutional, commercial and residential applications
- ◆ Biodegradable. In conformity with OCDE 301 E rule
- ◆ Meets Calcium Carbonate (Hard Water Scale) Solubility Test

Packaging

946 mL (32 fl oz) bottle; 4 L (1.05 US gal) bottle

Limitations

- ◆ Works best at temperature between 10°C (50°F) and 35°C (95°F).
- ◆ Do not use on marble, cobblestone, travertine, limestone or other calcareous stones as the acidity of the cleaner will etch the polish of the stones.
- ◆ May discolor porous slates such as Indian and Chinese slates.
- ◆ May affect paint color if sprayed on wall.
- ◆ May discolor laminated material.
- ◆ Avoid contact with stainless steel and chrome.

NOTE: DO NOT MIX WITH OTHER PRODUCTS, SUCH AS JAVEL OR OTHER SIMILAR PRODUCTS.



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)

VOC content	0 g/100 ml
pH	1.0
Density (@ 23°C/50% RH)	1.03 g/ml
Color	Clear
Odor	Faint odor
Water solubility	Soluble
Approximate coverage	Varies with the cleaning concentration required and the surface condition.
Shelf life	24 months if kept in its original unopened packaging and stored in a dry location. Protect from freezing.



5. USAGE

Prevention Measures

PERSONAL SAFETY

- ♦ Wearing of gloves, safety glasses and appropriate clothing to prevent skin contact when using the product is always recommended.
- ♦ Please follow safety guidelines outlined in the "CAUTION" section indicated on the bottle (see hereunder).

NEIGHBORING AREA PROTECTION

- ♦ Always protect the neighboring working area against unexpected contact with the product to avoid irreversible damage or alterations that could only be restored by its replacement.

PREREQUISITE CONDITIONS

- ♦ Ideal temperature for best results should be between 15 and 30°C (60 and 85°F).
- ♦ Test first on a small and adequate surface, to assess results.

First time user, without preliminary testing.

- ♦ Never use the product for the first time on a large area without preliminary testing.
- ♦ Usage of the product on a sensitive material could alter irreversibly the material that would only be restored by its replacement.

Using the product on a new surface or on an unknown surface, without preliminary testing.

- ♦ Even if you have used the product in the past, because covering manufacturers do modify occasionally the composition of their products, there could be, without your knowledge, presence of an incompatible substance that could be irreversibly damaged or altered or give unexpected end results that would only be restored by its replacement.
- ♦ More so, since the product is acid based, it can etch on contact any calcareous type surface such as: marble, cobblestone, travertine and other calcareous stones. Some of those stones can be confused with some ceramic or porcelain tiles that imitate them extremely well. But the reaction with the cleaner will be very harmful in the case of calcareous natural stones.

Application

Cement Grout Haze and/or Residues

Light residues: dilute (50/50) meaning 1 part of cleaner with 1 part of warm water.
Heavy residues and Quick Setting grouts: use without dilution.

1. Pour cleaning solution directly on the residues and spread on the surface.
2. Let work 3 to 5 minutes while scrubbing with a black nylon scuff pad. Do not allow the cleaner to dry on the surface.
3. Rinse thoroughly with water and pick up. Repeat if necessary.

Grout Efflorescence and Construction Site Plaster Dust

1. Use without dilution.
2. Pour cleaning solution directly on the grout lines.
3. Scrub the grout with a black nylon scuff pad. Do not allow the cleaner to dry on the surface.
4. Rinse thoroughly with water and pick up. Repeat if necessary.

Cleaning Existing Ceramic Tiles

1. Dilute (50/50), 1 part cleaner with 1 part warm water.
2. Pour cleaning solution directly on the surface and spread over areas to be cleaned.
3. Let work 3 to 5 minutes, and then clean the surface with cloth. Do not allow the cleaner to dry on the surface.
4. Rinse thoroughly with water and pick up. Repeat if necessary.

Cleaning Existing Non-Lustrous Stones, Granite or Concrete

1. Pre-wet surface with water.
2. Dilute (50/50), 1 part cleaner with 1 part warm water.
3. Pour cleaning solution directly on the surface and spread over small areas at a time.
4. Let work 3 to 5 minutes, and then clean the surface with a rigid brush in all directions. Repeat for each area needing to be cleaned. Do not allow the cleaner to dry on the surface.
5. Rinse thoroughly with water and pick up. Repeat if necessary.

Application Issues

Efflorescence or Whitish Residue Still Visible on Grout After Cleanup

This is an issue where efflorescence is sometimes mixed up with grout discoloration where color pigments have been washed out.

Main causes

- ♦ Too much water used in the grout mixture.
- ♦ Excessive water used to remove grout residue on tiles during cleanup.
- ♦ Rinsing water was left in the grout lines during the initial clean-up process.

Corrective measures

- ♦ Wash the grout lines with PRO EFFLONET as described above.
- ♦ If after using PRO EFFLONET to remove efflorescence, the whitish residues are still visible, then we can conclude that they are not due to efflorescence but are caused by an absence of color pigments. Recolor grout using PRO COLOR PREMIUM™ grout colorant to correct this issue (see respective data sheet for details).

Health and Safety

Considered non-corrosive for skin, as per WHMIS, but corrosive by Health Canada because of pH < 1. ALWAYS KEEP AWAY FROM CHILDREN.

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

Disposal

Do not dispose of excess remover into sewers; instead send to an appropriate recycling center.

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

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.

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