

# Delta Plus Eco

**Eco-friendly, water-based acid detergent to clean cement or lime residues, salt or calcareous deposits, ideal for use in GreenBuilding. Solvent-free, safeguards the health of both operators and the environment.**

Delta Plus Eco develops a controlled detergent action that is compatible with the hardened mineral grouts, completely eliminating all calcareous residues.



GREENBUILDING RATING®					
	✓	✓	✓	✓	✓
	Water-based formulation	Solvent-free	No environmental hazard rating	Non-toxic and non-hazardous	
RATING SYSTEM ACCREDITED BY CERTIFICATION BODY SGS					

PRODUCT STRENGTHS
<ul style="list-style-type: none"> <li>• Can be diluted in water in any ratio</li> <li>• Suitable for use with compact and porous materials</li> <li>• No toxic substances released</li> </ul>

AREAS OF USE
<p><b>Use</b> Removal of cement or lime residues, salt or calcareous deposits.</p> <p><b>Substrates:</b></p> <ul style="list-style-type: none"> <li>- ceramic and homogeneous tiles</li> <li>- cotto and glass mosaic</li> <li>- concrete and cement-based plasters</li> <li>- clay bricks</li> <li>- cement-based grouting</li> </ul> <p>Internal and external flooring and walls.</p> <p><b>Do not use</b> On marble, natural stone, calcareous recomposed materials, cement-based floor tiles and wood; on ceramic tiles, glazes, metallic or chrome-plated surfaces that are not resistant to acids.</p>

INSTRUCTIONS FOR USE
<p><b>Preparation of substrates</b> Substrates must be free from dust and loose or flaky debris. Concrete, plasters and coloured cement-based grouts must be fully hardened. On very absorbent substrates (cotto, clay brick, cement etc.) or during the summer months, it is recommended that the surface to be treated is moistened with water until saturation point.</p> <p><b>Preparation</b> Delta Plus Eco is a sea green ready-to-use liquid, water-dilutable in any ratio depending on the degree of resistance to acids of the surfaces to be cleaned and the type of dirt to be removed. Shake the can or bottle well before opening in order to redisperse the liquid evenly.</p> <p><b>Application</b> Apply Delta Plus Eco evenly to the surface to be cleaned and leave it until the dirt to be removed begins to visibly lift; this may take a few minutes or up to 10-20 minutes depending on the degree of absorption of the substrate. After this, scrape the surface with mechanical abrasive brushes. In the case of large surface areas, a mechanical buffer with an abrasive felt pad is recommended. Repeat for highly stubborn dirt. When finished cleaning, rinse the surface thoroughly and dry carefully to ensure residual traces of the acid detergent do not continue to corrode, especially on absorbent cement-based substrates.</p> <p><b>Cleaning</b> Residues of Delta Plus Eco can be cleaned from tools by rinsing them thoroughly.</p>

## SPECIAL NOTES

Delta Plus Eco is a liquid detergent with corrosive acid action. Before using the product, it is advisable to hermetically seal all doors, windows, rubber seals, furniture and any surface that could be attacked through direct contact with the detergent or with vapours. When using the product, wear rubber gloves, a mask to protect the respiratory system and professional safety glasses. Wait at least 7 days before using Delta Plus Eco on normal setting cement-based grouts and 3 days on rapid-setting ones.

## ABSTRACT

*Cement or lime residues, salt or calcareous deposits and adhesive or cement-based grout residues can be removed from ceramic and porcelain tiles or from cotto, glass mosaic, clay bricks and concrete using an eco-friendly, water-based, acid detergent, GreenBuilding Rating® Eco 4, such as Delta Plus Eco by Kerakoll Spa. Apply evenly to the surface to be treated, remove dirt with mechanical means and rinse thoroughly, for an average coverage of  $\approx$  0.1 - 0.3 kg/m<sup>2</sup>.*

## TECHNICAL DATA COMPLIANT WITH KERAKOLL QUALITY STANDARD

Appearance	Green liquid
Specific weight	$\approx$ 1,1 kg/dm <sup>3</sup>
Shelf life	$\approx$ 12 months in the original packaging
Warning	Protect from frost, avoid direct exposure to sunlight and sources of heat
Pack	25 / 5 / 1 kg cans
Water dilution ratios	All ratios
Viscosity	$\approx$ 13.2 mPa · s, rotor 1 RPM 100 Brookfield method
pH	$\approx$ 1
Temperature range for application	from +5 °C to +35 °C
Boiling point	+100 °C
Thermal decomposition	+150 °C
reaction	immediate
Waiting time before cleaning with water	$\approx$ 5 – 15 min.
Coverage	$\approx$ 0,1 – 0,3 kg/m <sup>2</sup>

*Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e. temperature, ventilation and absorbency level of the substrate and of the materials laid.*

## WARNING

- **Product for professional use**
- abide by any standards and national regulations
- store and use at a temperature above +5 °C. Protect from frost
- rinse thoroughly all surfaces treated
- some glazes and tiles are not resistant to acids, apply to a sample section first
- aerate all environments during and after use
- do not use on marble, calcareous stone and materials which you cannot be certain are resistant to acids
- do not leave cans or bottles open, even during use
- if necessary, ask for the safety data sheet
- for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - [globalservice@kerakoll.com](mailto:globalservice@kerakoll.com)

The Eco and Bio classifications refer to the GreenBuilding Rating® Manual 2012. This information was last updated in November 2013 (ref. GBR Data Report - 12.13); please note that additions and/or amendments may be made over time by KERAKOLL SpA, for the latest version, see [www.kerakoll.com](http://www.kerakoll.com). KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building yards and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.



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The GreenBuilding Company

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