



## Microtech Finishes

Microtech is a new finish to porcelain tiles. It provides the advantage of a natural / matt (R10) finish when dry, with the added security of being antislip (R11) when wet. The obvious advantage here is that you can use the same tile throughout a project without any concern that it will be more slippery in some areas than others. To ease and concerns you might have in this regard we have had the finish tested locally and independently in New Zealand, the results are at the back of this document.

## Post Installation

We recommend a post installation deep clean on all our products however this is especially important with the microtech finish. The smoothness of the surface may convince you that this tile will always be easy to clean however if grout haze and building debris are not removed post installation, issues with marking can arise later.

## Post Installation Deep Clean

We recommend using a product called Fila Deterdek available locally in New Zealand. Using Deterdek in the correct specified dilution will remove grout haze and building debris. We have included the Deterdek specification in this document.

## Ongoing Cleaning

For ongoing cleaning any cleaner, you prefer to use will be sufficient for products with the microtech finish and you should experience no issues. That said every four months or so we recommend a clean using Fila PS87. Mix PS87 with hot to boiling hot water. Pour on tiles and do 4 m2 at a time once areas saturated with mixture use soft agitating brush and softly scrub, house broom ok. Leave for few minutes. You will then see a milky substance rise to surface of tiles. That means product is working and lifting product out of tiles and is made to float on top of watery surface.

The next phase is essential. You either vacuum up that surface with wet dry vacuum or if not available use dry towels and soak up dirty product and rinse towels. You must get up all dirty water otherwise it the dirt will simply rest back on to the tiles surface. Next, rinse floor with hot water and repeat towels process if need be. The PS87 specification document is available at the back of this document.

## Slip Test

### SLIP RESISTANCE TEST REPORT



Project : Slip Resistance Investigation  
Location of Test : Auckland Laboratory  
Client : European Ceramics Ltd  
Slider type : FOUR-S/Slider 96, Prepared on P 400 (or equivalent) sand paper & Lapping Film  
Specimen Description : Carbon Stone Microtech

Cleaning Procedure : Wet Brush  
Test Type : Unfixed  
Air Temp at Test (°C) : 20

Project Number : 1-LA070.00  
Lab Ref. Number : AL5774/1  
Client Ref. Number :-

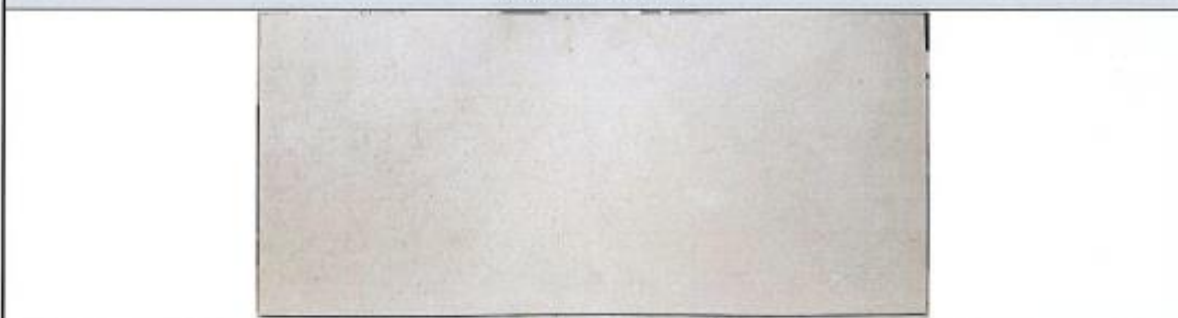
### SLIP RESISTANCE TEST RESULTS

Specimen N° :	Test Direction :	Mean BPN :	Mean Coefficient of Friction* :
1	N/A	54	0.59
2		55	0.60
3		53	0.57
4		55	0.60
5		54	0.59
Average SRV :		54	0.59
Classification of pedestrian surface material in accordance with table 2, AS 4586:2013 :			P4

### TEST METHOD

Tests were carried out in accordance with Appendix A, AS 4586:2013, the classification is based on a test in the wet condition.  
\*Coefficient of friction obtained from: AS/NZS 3661.1 : 1993 Slip Resistance of Pedestrian Surfaces.

### SAMPLE TESTED



Tested By : G. Sandford  
Designation : Civil Engineering Technician  
Date Tested : 11/08/20

LA026 (08/17)

WSP  
Auckland Laboratory  
Quality Management Systems Certified to ISO 9001

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Page 1 of 1

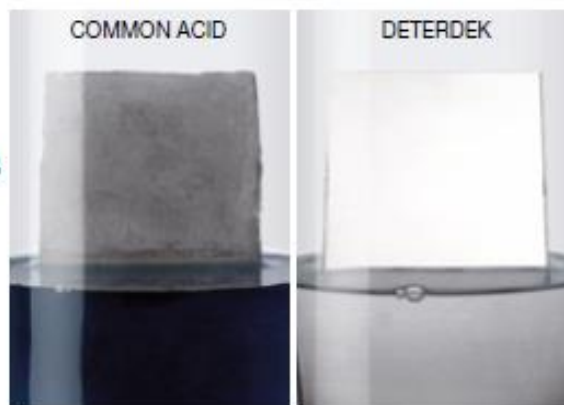
Telephone +64 9 415 4660  
Website [www.wsp.com/nz](http://www.wsp.com/nz)

# DETERDEK

CONCENTRATED ACID DETERGENT



- TERRACOTTA
- QUARRY TILES
- PORCELAIN TILES
- GLAZED CERAMIC TILES
- ACID-RESISTANT STONE SURFACES



Some acids might damage surfaces, metals and grouting. **DETERDEK** cleans without affecting materials.

## WHAT IT'S FOR

- Removes post-application deposits and building-site dirt.
- Eliminates saline efflorescences from terracotta.
- Eliminates lime-scale from floors, showers, bathroom fittings.
- Thoroughly cleans outdoor floors.
- It removes cementitious deposits and cleans at the same time because it also contains surfactants.
- Effective against rust stains.

## ADVANTAGES

- Buffered acid, does not produce harmful fumes for the user and the environment: it does not contain hydrochloric acid.
- Does not change the appearance or colour of materials.
- It cleans but does not attack.
- Does not affect grouting.
- Does not ruin profiles or items in aluminium and steel (kitchen hoods, pipes...).
- Can be used on many surfaces, terracotta, porcelain and ceramic tiles, and acid resistant stone.
- Has many functions: it can clean and remove deposits according to dilution.
- It is also effective in removing grout residues.

## HOW TO USE IT

*Dilution: between 1:5 and 1:10 according to the level of dirt to be removed.*

### Application:

*Washing after laying: wet the surface well with water before washing. Then use **DETERDEK** diluted at a ratio of 1:5 or 1:10 (1 litre of product in 5 or 10 litres of water). Apply the solution a few square metres at a time, then add, allow contact time of 5 minutes, then work with a single disc cleaner or large brush. Remove all residues using a cloth or liquid vacuum and rinse with plenty of water. Should any stubborn dirt remain, repeat the wash with more concentrated solutions. For extraordinary maintenance on outdoor surfaces with clear signs of ageing (smog, dust...): dilute 1 litre of product in 10 litres of water. Then follow the same application procedures described above.*

### Caution:

*Do not use on polished marble or on any materials that are sensitive to acids. Before using on this material, carry out a test on a small surface area to check that it is actually resistant to the product. For items in aluminium, follow the instructions and use a soft sponge.*

## COVERAGE

With one litre:

Terracotta 1:5.	10/20 m <sup>2</sup>
Porcelain tiles 1:5.	40 m <sup>2</sup>
Natural stone 1:5-1:10	20/35 m <sup>2</sup>

Coverage rate is approximate

## Packaging

1 litre cans in boxes of 12.  
5-litre cans in boxes of 4.

### WARNINGS

- Keep out of reach of children.
- Do not disperse into the environment after use.

### TEMPERATURES

Storage temperature: from 5° to 30° C.  
The product should be applied to materials with temperature between 5° and 30° C.

### CONTAINS

Non-ionic surfactants less than 5%.  
Other ingredients: perfume.

### LABELLING

Warning: Danger  
Hazard indication:  
Causes serious eye damage.  
Causes skin irritation.  
Caution recommendations:

If medical advice is needed, have product container or label at hand. Keep out of reach of children. Wear protective gloves / eye protection / face protection. IF ON SKIN: wash with plenty of water. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER / doctor. Take off contaminated clothing and wash it before reuse. Contains: PHOSPHORIC ACID. Alcohols C12-14, ethoxylated.



### TECHNICAL FEATURES

Appearance: liquid  
Odour: pungent with flowery perfume  
Density: 1.12 kg/l  
pH: 1.5 (sol. 10% in water)

*This information is the result of our most up-to-date technical know-how and is based on ongoing laboratory research and testing. Nevertheless, for reasons beyond our control, any suggestions always require appropriate analysis, testing and monitoring. Fila shall not accept any responsibility for improper use of its products.*





# PS87 pro



BIODEGRADABLE

## PROFESSIONAL DEGREASING CLEANING AGENT

**PORCELAIN TILES, UNPOLISHED STONE AND  
AGGLOMERATES, GLAZED CERAMIC TILES,  
CONCRETE, LINOLEUM AND PVC, TERRACOTTA,  
QUARRY TILES**



A concentrated detergent effective against stratified oiliness:  
A unique and innovative formula from the FIRA research laboratories,  
encompassing all the professional degreasing power without caustic  
soda or ammonia.



### COVERAGE

#### APPROXIMATE COVERAGE AND DILUTION (1 litre):

Maintenance 1:20	200 m <sup>2</sup>
Wax removal 1:5	20 m <sup>2</sup>
Initial stone wash 1:5	30 m <sup>2</sup>

\*Coverage shown is for guidance purposes only and  
refers to single coats\*

#### Packaging

1 litre: boxes of 12.  
5 litres: boxes of 4.

#### WARNINGS

- Keep out of reach of children.
- Do not dispense into the environment after use.

#### TEMPERATURES

Storage temperature: from 5° to 30° C.  
The product should be applied to materials with temperature between 5° and  
30° C.

### WHAT IT'S FOR

- When diluted, it cleans and removes grease from dirty floors in porcelain tiles, ceramics, natural stone, terracotta and concrete.
- When undiluted, it removes stubborn stains from porcelain floor tiles.
- Excellent for basic cleaning of natural stones that are sensitive to acids.
- Ideal for basic cleaning of concrete surfaces.
- Wax-remover for water-based, metallic and re-polishable waxes.
- Eliminates pre-treatment residues from polished porcelain tiles.

### ADVANTAGES

- Biodegradable
- A 3-in-one product: cleaner, stain-remover, wax-remover.
- The only one that can eliminate stubborn stains from porcelain tiles.
- It cleans but does not attack.
- Extremely easy to use.

### HOW TO USE IT

Dilution: according to use

For cleaning and degreasing all surfaces. Dilute in water (1:10-1:20) and apply on the surface. Leave to act for 4-5 minutes before brushing with a single-disc floor scrubber or scrubbing brush. Use a cloth or liquid vacuum cleaner to clean any residues and then rinse thoroughly.

For a more vigorous cleaning, dilute 1:5. To remove stains from porcelain tiles: Pour undiluted onto the stain and the entire tile. Leave to act until fully dry, then wash and rinse the surface.

To remove wax: Dilute 1:5, apply on the surface and leave to act for 10 minutes. Clean using a scrubbing brush or single-disc floor scrubber. Use a cloth or liquid vacuum cleaner to clean any residues and then rinse thoroughly.

#### Caution:

1. Do not use on new marble or polished stone.
2. Do not use on wood.
3. Do not use on methacrylate tubs.
4. Linoleum: carry out a spot test beforehand to check colour fastness.