



Earth Solutions  
A Safer Cleaner World

# 4EARTH ANTI-SLIP MINERAL AND TILED FLOORS Application Guide

## APPLICATION

The secret behind effective and long lasting application is preparation. The actual process is simple. Pay special attention to point 4. Apply the solution to this small area and test every 10 minutes, whilst still wet, until satisfied with the anti-slip effectiveness. As surfaces differ the time for treatment may vary greatly.

You will have discussed coverage with 4Earth Solutions and even had the results of testing in order to establish the floor surface to be treated by each litre of 4Earth Anti Slip for Mineral and Tiled Floors ('the product')

You will need :

Application tools: Sponges or mops plus stiff brushes. All clean.

Containers: Plastic Buckets

Water: Access to copious amounts of clean water

(Machinery will be used in larger surface applications)

1. Surfaces must be clean and free of debris especially dust. The recommended cleaner is Safe Clean from 4Earth Solutions.
2. Pour the appropriate amount of product into a CLEAN bucket and soak a CLEAN mop or sponge in the solution. A cloth mop or sponge mop may also be used. No special tools or gloves are necessary as the product contains less acidity than ordinary vinegar.
3. Wet the floor surface first. Apply the product to the floor making sure that the floor surface stays WET and that the entire area, of pre-determined m<sup>2</sup> per litre, is covered including grout.
4. **Cover only the area of the floor that can REMAIN WET while you are working.** For this reason be careful not to get carried away and cover too large an area. Agitate the treated surface with a CLEAN brush or deck broom to work into the floor surface every 7-8 minutes. Ensure that the work area remains wet for the entire time that the solution needs to work effectively. You may need to take account of weather/ temperature conditions to ensure this- especially in hot weather.
5. Thoroughly rinse the product from the application tools using plenty of clean water. After the appropriate length of time fill another bucket with clean water and rinse the first area where the product was applied using plenty of CLEAN WATER. Any foamy residue must be rinsed away. The solution is harmless to the environment.
7. The first area is now treated. With multiple operatives you can treat a large surface quickly but when treating a large surface with only 1 or 2 operatives it is imperative that each treats only the area that they can handle to ensure that it does not dry out.

For machine application please consult us first for advice.

## MAINTENANCE:

Clean the surface periodically with Safe Clean. Never use a cleaner containing wax or polish as this will render your treatment ineffective.

## FROM THE UK HEALTH & SAFETY EXECUTIVE WEBSITE

*"A customer bought food and drink but spilled some of their coffee on the way to sit down. The spillage was small, about the size of a fifty pence piece.*

*The fast food company was aware of the risk of slipping from liquids or food spilled on their smooth floors and, almost immediately, a member of staff came to deal with the problem.*

*They mopped up the spillage (and also the surrounding area because it looked dirty), squeezed out the mop and went over the whole area again, leaving an area of approximately 2 square metres 'mop dry'.*

*The researchers took measurements on the 'mop dry' area using pendulum and surface micro roughness techniques, and also timed how long it took to dry completely.*

*The 2 square metres of mopped floor, now almost indistinguishable in appearance from the rest of the floor, took approximately 7 minutes to dry and measurements showed that the area was extremely slippery during that time."*

## "Providing surface treatments for a safer cleaner world"

### SURFACE FINISH

Some tiles are treated during manufacture with a polish to create a highly polished surface which allows the tile to appear similar to a top-grade product. Treatment with 4Earth Anti Slip can dull this finish. It is important to note that the effect is on the polish- not the tile. Further treatment with a polishing compound may then be necessary to restore the shine.

### WHAT RESULTS CAN I EXPECT?

Conditions	Location 1	Location 2	Slip Risk
Dry Traffic	64	58	Low
90°	61	59	Low
Wet Traffic	43	39	Low
90°	40	38	Low

This table shows the actual results obtained after treatment in two locations in London. The tests were carried out by an independent slip evaluation consultancy using the Pendulum Slip test in both direction of traffic and 90° to direction of traffic to UK HSE standards. The HSE guidance for slip potential is;

0-24	High Potential for slips
25-35	Moderate Potential for slips
>36	Low Potential for slips

### THE 4EARTH ANTI SLIP RANGE

4Earth Anti Slip is available in 3 formulations: Mineral and Tiles, Wooden, Vinyl and Laminates and now Resin. The simplified explanation provided in this document applies only to the Mineral and Tiled floor product. For further details on the 4Earth Solutions product range of anti graffiti, weld spatter liquid, Anti Slip and specialist cleaning products please see our website at [www.4earthsolutions.com](http://www.4earthsolutions.com) where you can also download CERAM test reports on our Anti Slip range. For further technical information, including white light interferometry reports, please contact us at our head office below.



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