



## Fixing underfloor heating: Biogel No Limits and Fugalite Bio

Kerakoll UK has just launched the perfect adhesive and grout combination to use with underfloor heating whether you are installing an electric or a water-based system. Biogel No Limits and Fugalite Bio have very low VOC emissions and the grout is hypo-allergenic, so both are good for the health of the person using them too.

The heating system needs to be put down before fixing the tiles. Keracem Eco is designed to be used to create high performance and heat radiant slabs and is perfect for use as the screed that covers the heating pipes in a wet system. What's more it can be tiled on after 24 hours.

A layer of Keratech Eco Flex self-levelling compound should be used to cover electrical heating systems on wooden substrates. This is an eco-friendly product that is easy to lay and can be tiled on after 12 hours.

Biogel No Limits is the first multipurpose gel-adhesive, it consists of only one formulation that can be used on any substrate due to the inclusion of new polymers which gives it a high shear strength. It is easy and pleasant to work with as it stays the same consistency as when you first mixed it even after a long period in the bucket.

The mix doesn't shrink due to the inclusion of a new geo-binder, so you can make it the right thickness for the job and it is softer and easier to work with. The consistency means that it wets the entire tile as well as the substrate, giving an excellent bond and superior per-

formance. It also has a very low environmental impact with low CO<sub>2</sub> and very low VOC ratings and a large amount of recycled material. The white version of the adhesive is so white that it has been christened White Shock by Kerakoll.

Fugalite Bio is a water-based resin adhesive that differs from traditional reactive resin grouts in that it has been tested hypo-allergenic making it less hazardous for the tiler to use. It is perfect for use with underfloor heating systems as it does not fail when exposed to thermal stress.

More details on the products can be obtained from the Kerakoll team, who will also be delighted to offer technical advice on particular projects.

E: [info@kerakoll.co.uk](mailto:info@kerakoll.co.uk) T: 01527 578000 W: [www.kerakoll.co.uk](http://www.kerakoll.co.uk)

## Fixing thin porcelain to floors and walls with Kerakoll's new Biogel No Limits



Thin porcelain has many advantages as it is light and, therefore, easy to handle and uses less resources in production.

However its major drawback, when it comes to fixing, is that the substrates on which it is to be laid need to be perfectly

flat and level. This applies whether tiling to walls or floors.

Good preparation is, therefore, key. Where the substrate varies by more than 2mm a good levelling or self-levelling compound, such as Kerakoll's Keratech Eco R10 for floors or Keralevel Eco Flex for walls, should be used.

Biogel No Limits, Kerakoll's new geo-binder based gel adhesive is perfect for fixing this sort of tile, as it is easy to spread

but holds its shape at the same time, thus providing the support that thinner tiles need. It does not shrink on drying and spreads to fully wet the back of the tile ensuring that full coverage and maximum adhesion are achieved every time.

On walls it is high grab and has no vertical slippage making it easy to work with even with extra-large sizes. And for floors the adhesive is suitable for use on any substrate including those

where a flexible adhesive is required, such as over an underfloor heating system, due to its high deformability and excellent shear strength. Biogel No Limits can even be used when the tiles are being fixed outside.

The product is environmentally-friendly with low CO<sub>2</sub> and very low VOC emissions and a high level of recycled material in its composition.

E: [info@kerakoll.co.uk](mailto:info@kerakoll.co.uk)  
T: 01527 578000  
W: [www.kerakoll.co.uk](http://www.kerakoll.co.uk)