

GEL ADHESIVES

BIOGEL



GreenLab
Kerakoll Innovation Center



IT ALL STARTS HERE

The 9 eco-friendly advanced research and development laboratories within the futuristic Kerakoll GreenLab represent the world's most advanced technology centre for the study and development of new materials for GreenBuilding.

The new Biogel gel adhesives, was a challenge won by the GreenBuilding engineers at Kerakoll's GreenLab for professional installers.



GEL
TECHNOLOGY

The Kerakoll science park, which houses the new Kerakoll GreenLab research centre, is dedicated to research and technological development in the field of green building materials. The futuristic building groups all the Kerakoll group's new scientific laboratories together to form a single research centre, with an exclusive green technology program. Kerakoll offers each customer specific solutions that include 20 ranges of innovative products and 1,700 eco-friendly options with which to design, build and live in harmony with the environment and in a state of well-being, together with high added value services such as planning, technical consultancy, training and on-site assistance.

FROM ADHESIVE

OLD CONCEPT ADHESIVES

Thickens quickly in the bucket

You have to make a stiff mix to make sure it doesn't shrink

The mix is stiff and **more difficult** to work with

Sets quickly and **doesn't wet the tile** thoroughly

Performance varies from one adhesive to another, and it's hard to make the right choice



TO GEL ADHESIVE

GEL ADHESIVES

BIOGEL

GLOBAL BREAKTHROUGH

It **doesn't thicken**, and it keeps in the bucket just the way you made it for long periods

Make the mix **however you want it**, because it never shrinks

The mix is soft so you can **work better** with less effort

The thixotropic and fluid consistency **wets the entire tile**, even after a long time

Performance is always superior and it works for everything and on everything

Using GEL-TECHNOLOGY, Kerakoll has opened a new frontier in Research Technology, able to investigate how natural ingredients actually behave and formulate innovative adhesives that behave like a gel.

GEL
TECHNOLOGY



THE 1ST GEL ADHESIVE THAT MAINTAINS ITS SHAPE



**Biogel No Limits is thixotropic,
smooth, and light at any thickness.
Works easily even on walls, with no
tile slippage.**

Biogel No Limits is easy to spread, supporting the weight of the tile and retaining its shape during application, ensuring easier work on site and reliable results.



Thixotropic and liquid mix



Supports the tile



Doesn't shrink

THE 1ST GEL ADHESIVE WITH FULL WETTABILITY

Its thixotropic and fluid mix with extended open time allow safe and easy work, ensuring perfect wetting of the back of the tile.



BIOGEL
NO LIMITS



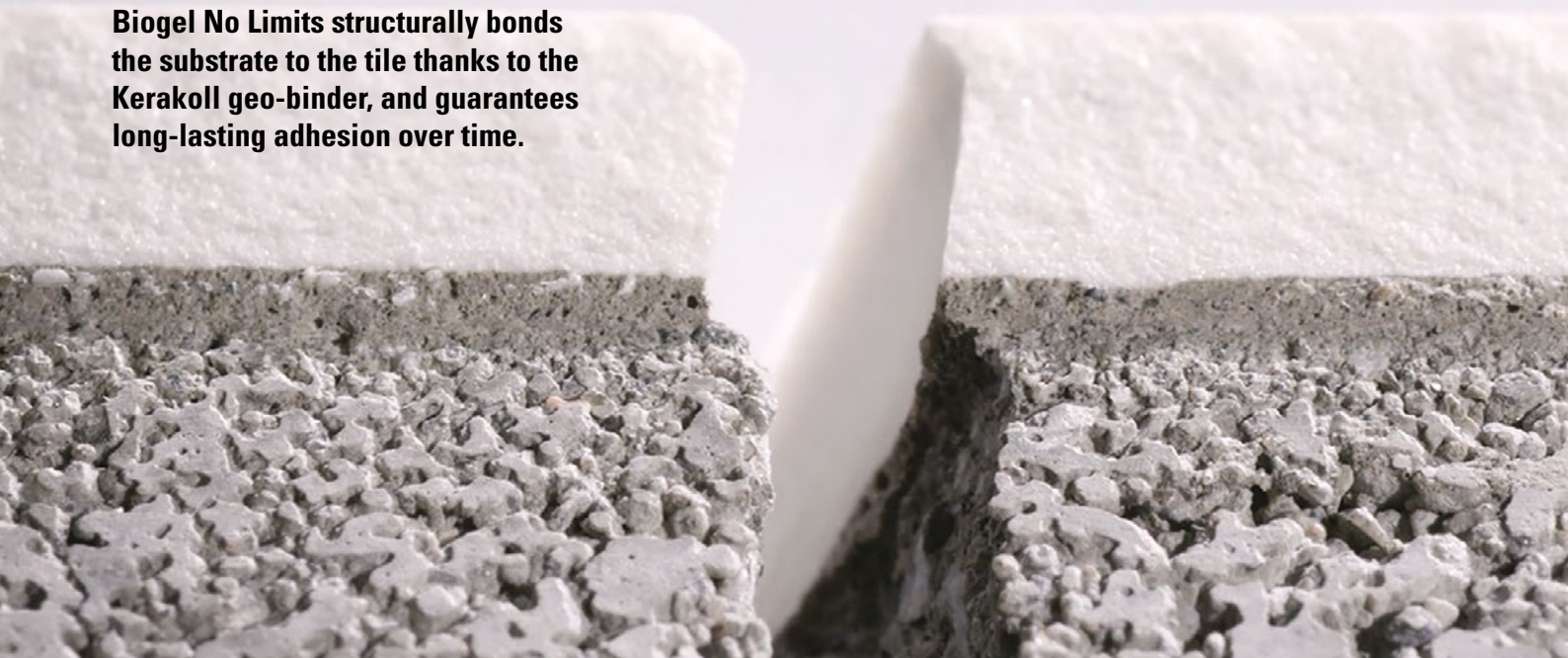
**COMPARATIVE
TEST**

**Biogel No Limits
guarantees
maximum adhesion
through full
wettability of the tile
under any conditions.**

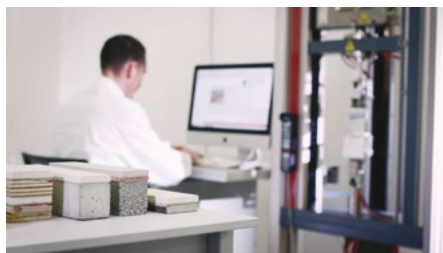
**OLD C2
CEMENT-BASED
ADHESIVE**

THE 1ST STRUCTURAL GEL ADHESIVE

Biogel No Limits structurally bonds the substrate to the tile thanks to the Kerakoll geo-binder, and guarantees long-lasting adhesion over time.



LOAD TESTING



Biogel No Limits is a structural adhesive, providing monolithic adhesion to the elements making up the system; it uniformly transfers the stresses to which the tiling is subjected.



Substrates:
cement-based screeds, concrete,
timber, metal, PVC

THE 1ST GEL ADHESIVE WITH GUARANTEED FLEXIBILITY



**Active Prime Fix or
Active Prime Grip preparation**



Applying Biogel



Laying tiles



By introducing specific rheology modifiers that increase its deformability and shear performance, the adhesive is able to withstand the stresses of the most deformable and flexible substrates without sacrificing workability.





THIXOTROPIC AND FLUID MIX

Thanks to its variable rheology, the mixture of Biogel No Limits is thixotropic and fluid at the same time, always ensuring maximum ease of use and total wettability

MULTI-PURPOSE

Biogel No Limits is the ideal solution to every need, ensuring top performance at all times with every type of material, format and on every type of substrate

CALIBRATED AND VERIFIED PERFORMANCE

The adhesion performance of Biogel No Limits is calibrated to real-world needs; it is verified with stringent testing to ensure that the durability measured in the laboratory will be maintained on site



GEL
TECHNOLOGY

**White
Shock**

Grey

Structural flexible multi-purpose gel adhesive for bonding all types of materials, on all substrates and for any use, even under extreme conditions.

THE 1ST THIXOTROPIC AND FLUID GEL ADHESIVE THAT WILL BOND ANYTHING!

BIOGEL REVOLUTION



GEL
TECHNOLOGY

**White
Shock**

Grey

Structural flexible multi-purpose gel adhesive for bonding all types of materials, on all substrates and for any use, even under extreme conditions.

**THE 1ST GEL ADHESIVE
FEATURING THE LONGEST
WORKABILITY WITH
ACCELERATED ADHESION**

GREATER WORKABILITY

Constant workability up to 1 hour to ensure the best laying performance in all environmental conditions

MAXIMUM SAFETY

Full and superior hardening just after 3 hours ensures foot traffic and grouting in the shortest time possible

EXCLUSIVE FORMULA

The 1st gel adhesive with no environmental hazard rating to ensure safety during laying

BIOGEL EXTREME

VERY FAST BONDING

Adhesive strength (4.5 N/mm^2) 5 times superior to a class C2 cement-based adhesive after 24 hours

STRESS RESISTANT

10 times more deformable than a class S2 (> 50 mm) cement-based adhesive

EASY TO SPREAD

5 times less viscous (35 Pa-s) than a polyurethane adhesive, transforms into a smooth gel like a cement-based adhesive



HYBRID
GEL
TECHNOLOGY

White

Highly deformable and workable, hybrid gel adhesive, bonds everything and is tested under the most extreme working conditions.

**THE 1ST ULTRA-DEFORMABLE
HYBRID GEL ADHESIVE THAT
BONDS EVERYTHING**

BIOGEL READY



HYBRID
GEL
TECHNOLOGY

White

Ready-to-use gel adhesive for high-adhesion, high-deformation laying with no vertical slip.

**THE 1ST READY-TO-USE
GEL ADHESIVE IN PASTE
FORM FOR FAST AND SAFE
APPLICATION**

UNBEATABLE WORKABILITY

Biogel Ready is a thixotropic mix that at the same time provides great smoothness under the spreader, ensuring easier and faster work on site

HIGH PERFORMANCE

Biogel Ready outperforms older dispersion adhesives, always ensuring top performance and a safe, clean result on site

IDEAL FOR FLEXIBLE SUBSTRATES

Biogel Ready is suitable for flexible and deformable substrates. It can be applied directly to gypsum substrates, without the use of primer. It is ready to use and easy to clean, ensuring ease of use on any substrate

GEL ADHESIVES

BIOGEL

The Biogel adhesive range – the first range of thixotropic and fluid gel adhesives with guaranteed durability for bonding all types of materials, on all substrates and for any use, even under extreme conditions.



