

BONDS THE IMPOSSIBLE.

GEL ADHESIVE
BIOGEL[®]
NO LIMITS[®]



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 C2 CEMENT-BASED ADHESIVE

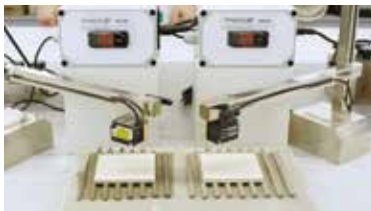
Thickens quickly in the bucket

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**

BIOGEL[®]
NO LIMITS

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 liquid 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
rontier in Research Technology,
able to investigate how natural
ingredients actually behave and
formulate innovative adhesives
that behave like a gel.*

GEL[®]
TECHNOLOGY



LAMINATED STONEWARE

Biogel® gel adhesive is the first and only single product because it works with everything and on everything.



CONCRETE
checking absorption



CERAMIC TILES
cleaning and drying



CEMENT-BASED SCREED
*checking hardness
and cleanliness*



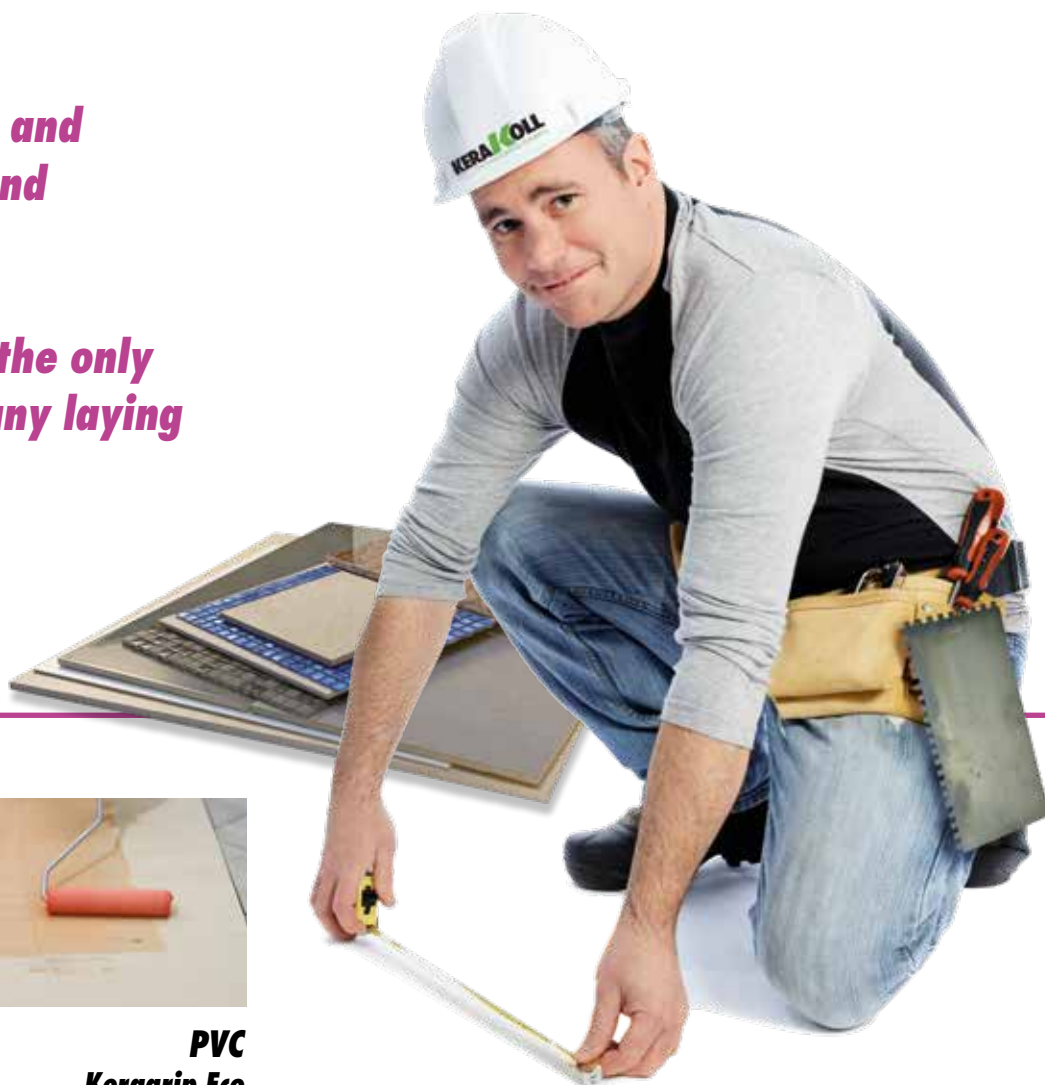
TIMBER
Keragrip Eco

BIOGEL[®]

NO LIMITS[®]

THE 1ST MULTIPURPOSE GEL ADHESIVE

“ Every day I find new and difficult substrates and materials to be laid. Biogel[®] No Limits[®] is multipurpose and is the only product that solves any laying problem on any site. Every time. ”



METAL
Keragrip Eco



PVC
Keragrip Eco

BIOGEL[®]

NO LIMITS[®]

**THE 1ST
GEL ADHESIVE THAT**



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

MAINTAINS ITS SHAPE



Thixotropic and liquid mix



Supports the tile



Doesn't shrink

" I was tired of stiff mixes to support the tiles. With Biogel® No Limits® I found a new thixotropic and liquid consistency that lets me work better and more safely. "





BIOGEL[®]

NO LIMITS[®]

“ Biogel[®] No Limits[®] is different because it easily wets the whole tile and substrate. This way I’m always sure, even in the toughest situations on any job site. ”



BIO

THE 1ST GEL ADHESIVE WITH FULL WETTABILITY

COMPARATIVE TEST

GEL
NO LIMITS

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

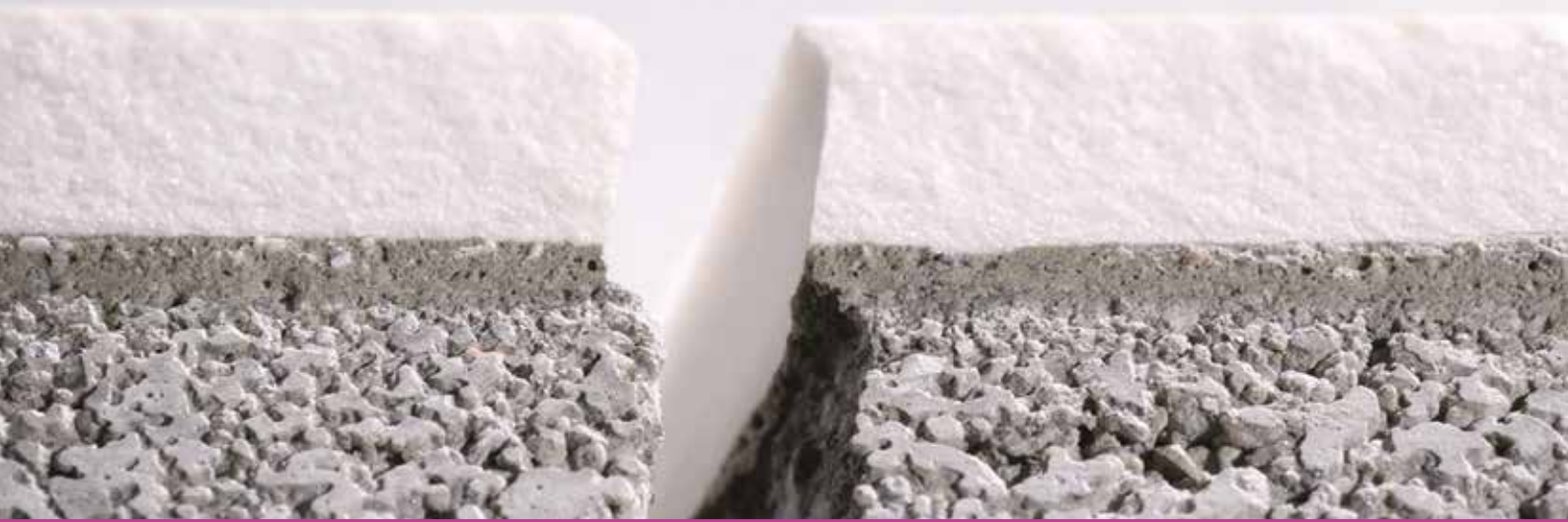
**OLD C2
CEMENT-BASED
ADHESIVE**

BIOGEL[®]

NO LIMITS[®]

THE 1ST STRUCTURAL

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

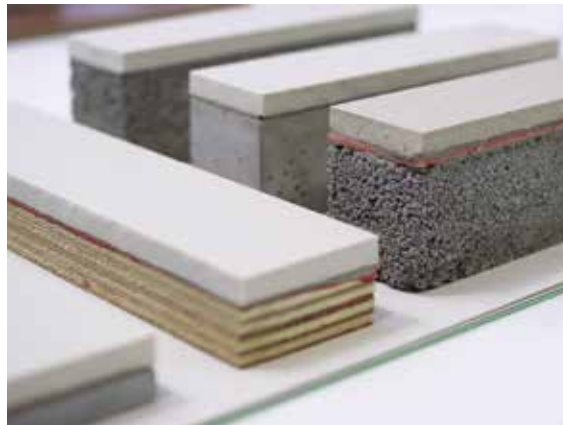


GEL ADHESIVE

***“ Biogel® No Limits®
doesn't detach from
tiles or substrates even
when they are heavily
stressed.
So there's never any
doubt about my work. ”***



Substrates:
cement-based screed
concrete
timber
metal
PVC



BIOGEL[®]

NO LIMITS[®]

**THE 1ST GEL
ADHESIVE WITH**



Preparing Keragrip Eco



Applying Biogel[®]



Laying tiles

Biogel[®] No Limits[®]
stands up to stresses
on the most deformable
substrates thanks to the
excellent shear strength
of the exclusive new low-
environmental-impact
resins.



GUARANTEED FLEXIBILITY

“ I don’t like using highly deformable adhesives because they aren’t very workable. Biogel® No Limits® is the only single-component product that can give me a guarantee even on unstable substrates, without sacrificing its improved workability. ”



GEL ADHESIVE **BIOGEL**[®] REVOLUTION



**NON
THICKENING**

GREATER WORKABILITY

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



**ACCELERATED
ADHESION**

MAXIMUM SAFETY

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



**DOESN'T
CAUSE IRRITATION**
EU CLP Regulation

EXCLUSIVE FORMULA

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



GEL[®]
TECHNOLOGY

Grey

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

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

HYBRID GEL ADHESIVE

BIOGEL[®]

EXTREME



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**



VERY FAST BONDING

Adhesive strength 5 times superior to a class C2 (4.5 N/mm²) 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 than a (35 Pa*s) polyurethane adhesive, transforms into a smooth gel like a cement-based adhesive

GEL ADHESIVE
BIOGEL®

“ Are you ready to work better?”

***With
BIOGEL® GEL ADHESIVE
you can! ”***



FEEL THE DIFFERENCE!





MKT-TEC code 83/2017
Ref. GBR Data Report - 11/2017