

H40 Gel kerakoll

Multipurpose
Gel-Adhesive,
structural, flexible,
thixotropic & fluid.
The first guaranteed,
long-lasting
gel adhesive.

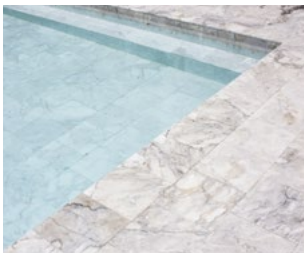
H40 Gel: the best choice for all uses.

Vitrified coverings made with Kerakoll fixing systems offer unique technical and aesthetic performances and guarantee the best quality, maximum safety and high living comfort.



→ **Large size**

H40 Gel provides superior wettability and allows for easy full-bedding with a thixotropic & fluid mix, which is easy to spread and at the same time supports the weight of the slab with no shrinkage. High resistance to shear stresses, caused by longitudinal deformations, and extended open time allow for safe and durable fixing.



→ **Swimming-pools**

H40 Gel's superior wettability enables a monolithic bonded system to be obtained even in swimming pools, where adhesion is guaranteed in continuous immersion. The consistently thixotropic & fluid mix allows unique workability on walls and floors with all materials commonly used in swimming pools.

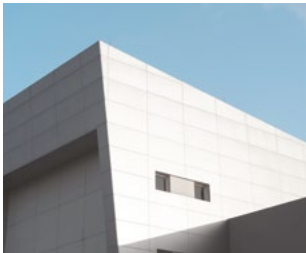






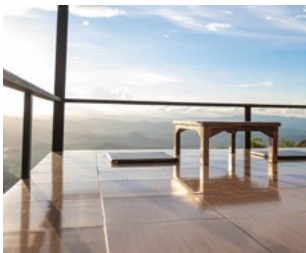
→ **Heavy traffic**

In areas subject to heavy traffic it is essential to ensure total wettability in order to easily obtain full-bedding and create a monolithic fixed surface. Thanks to its superior wettability and resistance to shear actions generated by dynamic loads, H40 Gel provides a structural type of adhesion, capable of distributing stresses and absorbing dynamic loads.



→ **Facades**

H40 Gel's superior wettability and consistently thixotropic & fluid mix allows for easy full-bedding, even on facades, with no vertical slip even in case of large slabs. Thanks to the extended open time, even large formats can be safely fixed on facades, where H40 Gel guarantees resistance to shear stresses caused by significant temperature variations.



→ **Waterproofing systems**

The perfect fusion of Aquastop Nanoflex and H40 Gel guarantees waterproofing of the fixing, and resistance to water and shear stresses. Superior wettability makes it easy to achieve full-bedding and ensure the durability of the entire fixing system.

H40 Gel

The first guaranteed, long-lasting gel adhesive.

The new H40 Gel adhesive gel is the end result when it comes to developing the perfect adhesive that guarantees actual durability on site: Kerakoll's innovative gel mix is the pillar on which durability performance is based. There is no such thing as high, durable performance without perfect workability.

→ **Unique workability**

H40 Gel combines great fluidity under the trowel with the capacity to support weights and maintain shapes, ensuring easier work on site.

→ **Thixotropic & fluid mix**

Thanks to variable consistency, the H40 Gel mix is always fluid and thixotropic at the same time, guaranteeing total wettability at all times. Gel-Technology marks a break with the old creamy or hard mixes that were unstable and difficult to work with.

→ **Multi-purpose**

The solution for every need because it ensures maximum performance with every type of material and every type of surface.

→ **Calibrated and verified performance**

The adhesion performance of H40 Gel is calibrated to the site's actual needs and verified with stringent tests. Kerakoll takes into account the real-world stresses acting on a fixing and verifies them with unique strain tests to ensure that durability on site is the same as verified in the laboratory.





From adhesive to gel adhesive.

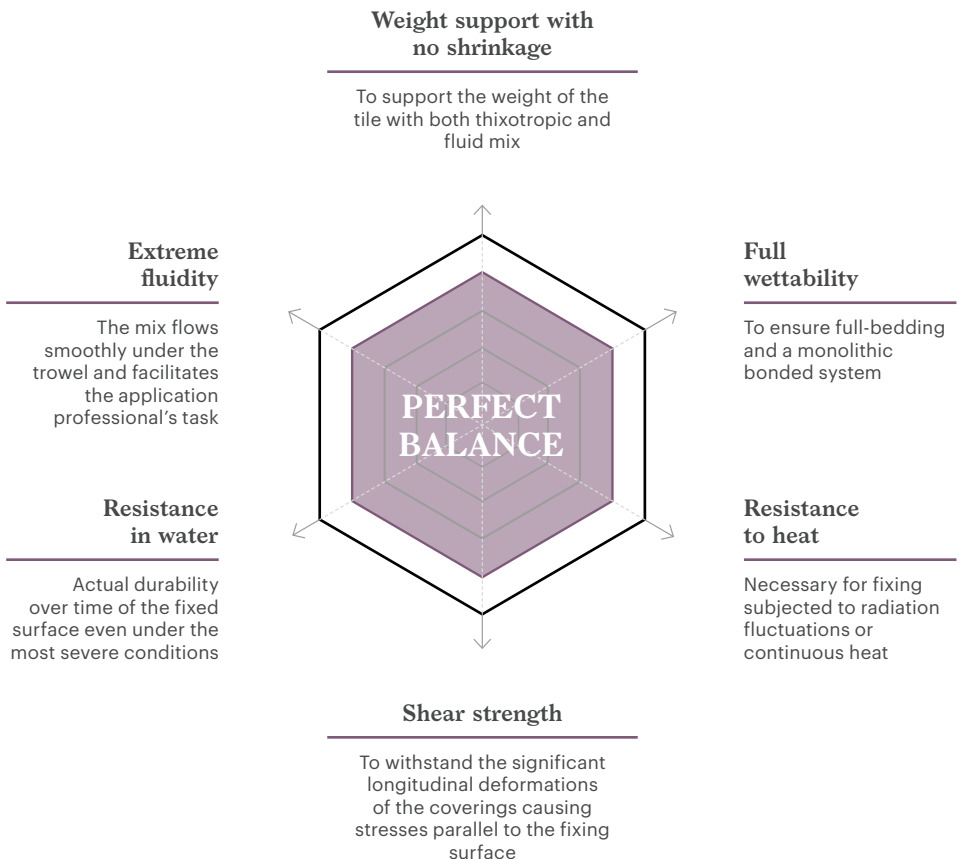
Gel-Technology is an exclusive technical-scientific research that studies the behaviour of natural elements and eco-friendly raw materials. Applied to adhesives ensures the perfect balance between final performance and ease of use on site.

GEL[®]
TECHNOLOGY



The perfect gel formula: only those who know the extremes achieve balance.

The study of the perfect gel formula is based on the identification of six fundamental parameters related to the most important characteristics of workability and mechanical performance. During formulation in the laboratory, Kerakoll researchers carry out numerous tests to maximise and balance all these parameters. It is only after this long process in the laboratory and on site that the perfect gel formula is created.





Tested for the floor's entire life cycle.

The durability of H40 Gel is verified by Kerakoll researchers using the SAS method; overcoming the standard's limits, it subjects the fixed system to strain tests to simulate the floor's life cycle. The sample is subjected to 20 mechanical stress cycles, 50 thermal stress cycles and finally 50 freeze-thaw cycles. Once the process is complete, tensile and shear tests are carried out to verify that the gel adhesive ensures above-standard adhesion values. H40 Gel overcomes every challenge and guarantees unparalleled actual durability.

H40 Gel encompasses numerous advantages; here are its fundamental attributes:

→ **workability:**

products designed for the application professional to simplify choices, eliminate risks and improve the quality of his/her work.

→ **performance:**

guaranteed technical performance, tested with severe strain cycles that reproduce actual site conditions.

→ **durability:**

and therefore more sustainable, thanks as well to the use of selected and innovative raw materials.

→ **safety:**

very low emission of volatile substances, non-toxic and non-hazardous to the health of operators and end users.



kerakoll

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