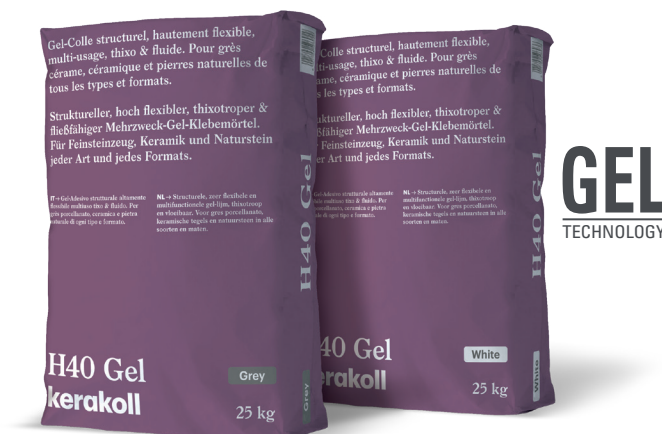


H40 Gel

Multipurpose Gel-Adhesive, structural, highly flexible, thixo & fluid. For all types and sizes of porcelain tiles, ceramic tiles and natural stones.



GEL
TECHNOLOGY

1. High adhesion and flexibility
2. Excellent wettability
3. Variable rheology
4. Ideal for large formats
5. Ideal for underfloor heating systems

kerakoll

Areas of application

→ Use

Substrates:

- existing tiles
- waterproofing products
- heated floors
- cement-based screeds
- cement-based screeds and self-levelling products
- concrete
- plasterboard
- fibro-cement slabs
- gypsum and anhydrite ⁽¹⁾
- cellular concrete
- brick
- lime and cement-based plasters/renders
- thermal insulation panelling systems
- insulating panels
- timber ⁽¹⁾
- metal ⁽¹⁾
- PVC ⁽¹⁾

*(1) After application of Active Prime Fix or Active Prime Grip.
Internal use only.*

Materials:

- porcelain tiles
- laminated stoneware and/or stoneware featuring backing materials
- low thickness slabs
- ceramic tiles
- large format tiles (up to 160x320 cm)
- marble - natural stone
- cement-based recomposed
- glass mosaics
- glass tiles
- thermal and acoustic insulation
- terracotta - klinker

Uses:

- adhesive and finishing
- floors and walls
- for internal use - external
- overlaying
- terraces and balconies
- facades
- swimming pools and fountains
- saunas and spa
- domestic
- commercial
- industrial
- street furniture

Instructions for use

→ Preparation of substrates

All substrates must be level, cured, undamaged, compact, rigid, resistant, dry and free from any debonding agents and from damp rising. It is best to dampen highly absorbent cement-based substrates before the application or apply one coat of Active Prime Fix or Active Prime Grip.

→ Preparation

Mixing water (EN 12004-2):

- Grey ≈ 30% – 32% weight
- White ≈ 25% – 27% weight

Mixing water on-site

Fluid mix on floors:

- Grey ≈ 7.5 l / 1 x 25 kg bag
- White ≈ 8.25 l / 1 x 25 kg bag

Thixotropic mix on walls:

- Grey ≈ 6.5 l / 1 x 25 kg bag
- White ≈ 6.25 l / 1 x 25 kg bag

The amount of water indicated is approximate. It is possible to obtain mixtures with consistency of variable thixotropy according to the application to be made.

→ Application

To guarantee structural adhesion it is necessary to apply a layer of adhesive sufficient to cover the entire back of the material.

Large, rectangular sizes with sides > 60 cm and low thickness sheets may require adhesive to be applied directly to the back of the material. Check samples to make sure the adhesive has been transferred to the back of the material. Respect structural, fractionizing, and perimeter joints present in the substrates. Abide by local existing provisions when creating elastic expansion joints.

→ Cleaning

Clean the tools and any residues of the product from the surfaces using water while the adhesive is still fresh. Once hardened, the adhesive can only be removed by mechanical means.

Special notes

→ Materials and special substrates

- Marble–natural stones and Recomposed materials: materials that are subject to deformation or staining due to water absorption require a quick-setting or reactive adhesive. Marble and natural stones may generally have characteristics that vary even with reference to materials of the same chemical and physical nature. For this reason it is essential to consult the Technical Customer Service Kerakoll to request specific indications or to carry out a test on a sample of the material. In the absence of specific indications from the manufacturer, natural stone slabs with reinforcement layers, in the form of resin coating, polymer mesh, matting, etc. or treatments (for example damp courses, etc.) applied on the laying surface must be tested in advance to ensure they are compatible with the

adhesive. Check for the presence of any really consistent traces of rock dust created during cutting, and remove them if found.

- Waterproofing products: adherent and floating polymer sheets, liquid bitumen and tar-based sheets or membranes require application of a laying screed on top. On reactive waterproofing products (such as RM according to EN 14891), the use of a reactive adhesive is required.

→ Special applications

- Facades: the substrate should guarantee a cohesive tensile strength of $\geq 1.0 \text{ N/mm}^2$. The need to call for suitable mechanical safety anchoring must be evaluated by the designer for coverings with $> 30 \text{ cm}$ side. Always apply a layer of adhesive on the substrate and on the back of the material (double-spread technique).

Certificates and marks



* Émission dans l'air intérieur Information sur le niveau d'émission de substances volatiles dans l'air intérieur, présentant un risque de toxicité par inhalation, sur une échelle de classe allant de A+ (très faibles émissions) à C (fortes émissions).

Technical Data compliant with Kerakoll Quality Standard

Appearance	White or grey pre-mixed powder	
Pack	25 kg bags	
Shelf life	≈ 12 months from production in the original sealed packaging, protect from humidity	
Thickness	from 2 to 15 mm	
Temperature range for application	from +5 °C to +35 °C	
Pot life at +23 °C	≈ 4 h	
Open time at +23 °C (BIII tile):	≥ 60 min.	EN 12004-2
Foot traffic/grouting of joints at +23 °C (BIa tile)	≈ 24 h	
Grouting in walls at +23 °C (BIa tile)	≈ 12 h	
Ready for use at +23 °C / +5 °C (BIa tile):		
- light foot traffic	≈ 2 – 3 days	
- heavy traffic	≈ 3 – 7 days	
- swimming pools (+23 °C)	≈ 14 days	
Coverage	≈ 1.25 kg/m ² per mm of thickness	

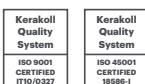
Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e. temperature, ventilation and absorbency level of the substrate and of the materials laid.

Performance		
VOC Indoor Air Quality (IAQ) - Volatile organic compound emissions		
Conformity	EC 1 plus GEV-Emicode	GEV certified 14613/11.01.02
HIGH-TECH		
Shear adhesion (porcelain tiles/porcelain tiles) after 28 days	$\geq 2.5 \text{ N/mm}^2$	ANSI A-118.4
Tensile adhesion (concrete/porcelain tile after 28 days)	$\geq 2.5 \text{ N/mm}^2$	EN 12004-2
Durability test:		
- adhesion after heat ageing	$\geq 1 \text{ N/mm}^2$	EN 12004-2
- adhesion after water immersion	$\geq 1 \text{ N/mm}^2$	EN 12004-2
- adhesion after freeze-thaw cycles	$\geq 1 \text{ N/mm}^2$	EN 12004-2
- adhesion after straining cycles	$\geq 1 \text{ N/mm}^2$	SAS Technology
Vertical slip	$\leq 0.5 \text{ mm}$	EN 12004-2
Transversal deformation	$\geq 2.5 \text{ mm}$	EN 12004-2
Flexibility test according to GT method:		
- torsional moment (eccentric shear on 5x5 cm sample)	$\geq 2.5 \text{ KN}$	
- bending moment (eccentric traction on 5x5 cm sample)	$\geq 0.4 \text{ KN}$	
classification	GT-2	GT method
Working temperature	from $-40 \text{ }^\circ\text{C}$ to $+90 \text{ }^\circ\text{C}$	
Conformity	C2 TE S1	EN 12004

Values taken at $+23 \text{ }^\circ\text{C}$, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.

Warning

- Product for professional use
- abide by any standards and national regulations
- do not use the adhesive to correct substrate irregularities greater than 15 mm
- protect from direct rainfall for at least 24 hrs
- the temperature, ventilation and absorption of the substrate and covering materials, may vary the adhesive workability and setting times
- use the right size of notched trowel for the format of the tile or slab
- guarantee a full-bed in all external laying operations
- if necessary, ask for the safety data sheet
- for any other issues, please contact the Kerakoll Worldwide Global Service +39 0536 811 516



This information was last updated in October 2025; please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see www.kerakoll.com. KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions of your building site and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.