

Self-levelling products for substrates

- Planogel Rheo
- Flowtech

kerakoll

From HDE technology to Gel technology.

For over 30 years Kerakoll has been a leading player on the market for high-end self-levelling products. In the early 2000s, with the Keratech range, Kerakoll introduced a significant innovation in the sector: HDE technology, which maximised the ratio between self-levelling time and setting time, guaranteeing a longer working time and faster setting times. Even then, environmental issues were paramount, anticipating the trends that have consolidated in recent years. Keratech self-levelling products were in fact developed with cements featuring a low hexavalent chromium content.

Kerakoll is today at the forefront of innovation once again, thanks to new research technologies that are more in line with new needs expressed by the market, and reaching new performance targets.

This marks the birth of a new category of self-levelling products with variable rheology and viscosity: the self-levelling gels. The first Planogel Rheo self-levelling gel with a perfect formula and high performance goes beyond the concept of a traditional self-levelling product. Planogel Rheo is complemented by the Flowtech range of technical products for specific uses.



Unparalleled workability and control.

Gel-Technology means superior technical performance. The new gel formula is the result of the introduction of an innovative latest-generation terpolymer that guarantees maximum adhesion even on the most critical substrates, together with a hybrid binding system that combines cements of different kinds, with low environmental impact, rapid development of mechanical strength and control of hygrometric shrinkage during curing time. The gel formula ensures extreme workability combined with very short waiting times before laying. Thanks to impurity-free and perfectly calibrated aggregates, the silk-effect finish ensures perfectly even surfaces, an essential condition for laying resilient material coverings and large format tiles.

GEL
TECHNOLOGY

Planogel Rheo, self-levelling gel with variable rheology and viscosity.

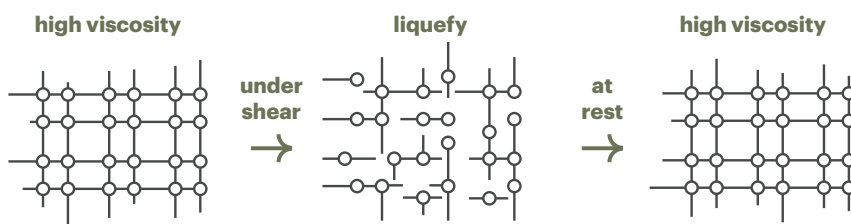
Gel-Technology is an exclusive technical-scientific research approach that studies the behaviour of natural elements and eco-friendly raw materials. When applied to self-levelling products, this has resulted in **Planogel Rheo**, the first product which combines variable rheology and viscosity, the two pillars of workability.

Variable rheology represents the possibility of regulating the mixing water of the product in order to adjust its fluidity, according to the thickness to be produced and the habits of the laying specialist.

Variable viscosity is the property of the gel mix to modify its consistency according to the stresses to which it is subjected.

Planogel Rheo is fluid and light when applied with rapid, dynamic and large sweeps of the trowel; the mixture becomes fluid and achieves perfect evenness with no overlaps. When applied with slower, more precise and controlled sweeps of the trowel the gel mix is more viscous in order to allow application professionals to achieve the desired thickness as well as a perfect laying surface.

The **VMA (Viscosity Modifying Agent)** bio-polymer represents a radical innovation that enables the mix to acquire the gel property required to facilitate the work of application professionals.



Gel-autolivellante a reologia e viscosità variabili. Lavorabilità prolungata e tempi di attesa per la posa ridotti.

EN → Self-levelling gel with variable rheology and viscosity. Longer working time and enhanced drying time before installing floorcoverings.

DE → Gel-Nivellierung mit variabler Rheologie und Viskosität. Verlängerte Verarbeitbarkeit und kürzere Wartezeiten für die Verlegung.

FR → Gel ragréage autolissant à rhéologie et viscosité variables. Ouvrabilité prolongée et temps d'attente réduits avant la pose.

Rating 4

- ✓ Regional Mineral ≥ 60%
- × Recycled Regional Mineral ≥ 30%
- ✓ CO₂ Emission ≤ 250 g/kg
- ✓ VOC Low Emission
- ✓ Recyclable



Planogel Rheo
kerakoll

25 kg

Planogel Rheo

Flowtech, technical self-levelling products for flat, durable and stable substrates.

The new Kerakoll range is completed by three specific references for each intended use:

- **Flowtech Easy**, for laying ceramic tiles and multi-layer parquet, at low thickness for any type of substrate;
- **Flowtech Pro**, developed to ensure maximum compatibility and adhesion on absorbent substrates for laying any type of covering at high thickness;
- **Flowtech Plus**, ideal for professional resilient floors layers because it combines high mechanical strength with extreme levelling capability even at low thickness, with no defects, creating extremely even and smooth surfaces.

Autolivellante rapido per la rettifica di fondi prima della posa di ceramica, marmi e parquet multistrato.

EN - Rapid self-levelling product for the correction of substrates before laying ceramic tiles, marble and plywood parquet floors.
DE - Schnell abbindende Nivelliermasse zum Ausgleich von Untergründen vor der Verlegung von Keramik, Marmor oder Mehrschichtparkett.
FR - Autonivelant rapide pour la rectification de supports avant la pose de céramique, marbre et parquet contre-collé.

Rating 4

- Regional Mineral > 40%
- Recycled Regional Mineral > 30%
- CO₂ Emission < 250 g/kg
- VOC Low Emission
- Recyclable



Flowtech Easy
kerakoll

25 kg

Autolivellante rapido ad alta resistenza per la rettifica di fondi assorbenti prima della posa di ceramica, parquet, finiture industriali.

EN - High-performance, rapid self-levelling product for the correction of absorbent substrates before laying ceramic tiles, hardwood floors, industrial coverings.
DE - Schnell abbindende, hoch beständige Nivelliermasse zum Ausgleich von saugfähigen Untergründen vor der Verlegung von Keramik, Parkett und dem Herstellen von Oberflächenbeschichtungen im Industriebereich.
FR - Enduit de ragréage autonivelant rapide pour l'égalisation de supports absorbants avant la pose de carrelage, parquet et finitions industrielles.

Rating 4

- Regional Mineral > 60%
- Recycled Regional Mineral > 30%
- CO₂ Emission < 250 g/kg
- VOC Low Emission
- Recyclable



Flowtech Pro
kerakoll

25 kg

Autolivellante a finitura effetto seta e perfetta planarità, ideale per la posa dei rivestimenti resilianti.

EN - Self-levelling compound with silk effect finish and perfect surface finish, ideal for laying resilient floor coverings.
DE - Nivelliermasse mit Seideneffekt und perfekter Ebenheit, ideal für die Verlegung von elastischen Bodenbelägen.
FR - Ragréage autonivelant avec finition effet soie et planéité parfaite, idéal pour la pose de revêtements résiliants.

Rating 4

- Regional Mineral > 60%
- Recycled Regional Mineral > 30%
- CO₂ Emission < 250 g/kg
- VOC Low Emission
- Recyclable



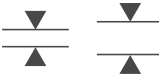









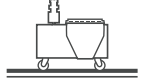
Flowtech Plus
kerakoll

25 kg

Planogel Rheo

Self-levelling gel with variable rheology and viscosity. Longer working time and enhanced drying time before installing floorcoverings.

- Made with Gel-Technology
- Innovative and eco-friendly raw materials
- Thicknesses from 1 to 30 mm
- Applicable by hand and machine

CT C30-F7 EN 13813	 from 1 mm to 30 mm	 4.75 - 5.5 l per 1 bag	 $\approx 15.6 \text{ m}^2$ per mm of thickness	 floors - indoor	 30 min.
 ≈ 20 min. wet edge	 foot traffic ≈ 3 hours	 ≈ 4 hours before laying	 under-floor heating	 hand mix	 machine mix

Substrates

Screed

Concrete

Ceramic tiles

Metal

Wooden floors

Coverings

Ceramic tiles

Natural stone

Hardwood floors

Resilient materials

Decorative resins

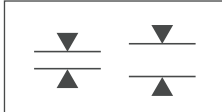






Resins for industrial floors



Flowtech Easy

**Rapid self-levelling product
for the correction of substrates
before laying ceramic tiles,
marble and multilayer parquet.**

- Smooth finish
- High dimensional stability
- Thickness from 3 to 15 mm

CT C25-F6 EN 13813	 from 3 mm to 15 mm	 4.5 - 5 l per 1 bag	 ≈ 16 m ² per mm of thickness
 floors - indoor	 30 min.	 foot traffic ≈ 3 hours	 machine mix

Substrates

Screed

Calcium sulphate based screed

Ceramic tiles

Coverings

Ceramic tiles

Natural stone

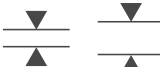





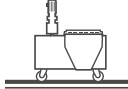
Multi-layer parquet



Flowtech Pro

High-performance, rapid self-levelling product for the correction of absorbent substrates before laying ceramic tiles, hardwood floors, industrial coverings.

- Maximum compatibility with gel adhesives from the Biogel range
- Ideal for all types of coverings
- Applicable by hand and machine

<p>CT C30-F7 EN 13813</p>	 from 5 mm to 50 mm	 4.75 - 5.25 l per 1 bag	 ≈ 14.2 m ² per mm of thickness
 floors - indoor	 30 min.	 foot traffic ≈ 3 hours	 machine mix

Substrates

Cement-based screeds

Calcium sulphate based screed

Concrete

Coverings

Ceramic tiles

Natural stone

Resins for industrial floors

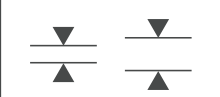






Hardwood floors



Flowtech Plus

Self-levelling product with silk effect finish and perfect evenness, ideal for laying resilient material coverings.

- Extra-fine finish
- Extreme self-levelling capability for minimum thicknesses
- Excellent dimensional stability
- High peel test resistance values

CT C30-F7 EN 13813	 from 1 mm to 10 mm	 6.25 - 6.5 l per 1 bag	 $\approx 15.6 \text{ m}^2$ per mm of thickness
 floors - indoor	 30 min.	 foot traffic \approx 3 hours	 hand mix

Substrates

Screed

Concrete

Ceramic tiles

Coverings

PVC, LVT

Linoleum

Carpet

Rubber



Use

		Planogel Rheo	Flowtech Pro	Flowtech Easy	Flowtech Plus	
Class		CT C30 F7	CT C30 F7	CT C25 F6	CT C30 F7	
Thickness		1 - 30 mm	5 - 50 mm	3 - 15 mm	1 - 10 mm	
SUBSTRATES	new	CT screed	yes (1)	yes (1)	yes (1)	yes (1)
		CA screed	yes (1)	yes (1)	yes (1)	yes (1)
		Concrete	yes (1 or 2)	yes (1 or 2)	yes (1 or 2)	yes (1 or 2)
		Wooden floors	yes (1 or 2)	no	yes (1 or 2)	no
		Metallic surfaces	yes (1 or 2)	no	no	no
		Dry floors (gypsum fibre and fibre-cement)	yes (1 or 2)	no	yes (1 or 2)	yes (1 or 2)
	renovations	Ceramic floors	yes (1 or 2)	no	yes (1 or 2)	yes (1 or 2)
		Residues of cement-based adhesives on cement-based floors *	yes (1)	yes (1)	yes (1)	yes (1)
		Residues of paints or resins for industrial floors *	yes (2)	yes (2)	no	yes (2)
		Semi-flexible slabs	yes (1 or 2)	no	no	yes (1 or 2)
COVERINGS	Porcelain tiles, ceramic tiles, klinker and cotto of all types and formats	yes	yes	yes	yes	
	Natural stone, recomposed materials, marble	yes	yes	yes	yes	
	Solid hardwood floors	yes	yes	no	yes	
	Multi-layer parquet	yes	yes	yes	yes	
	Textiles, rubber, PVC, LVT, linoleum, carpet	yes	no	yes	yes	
	Raised floors	yes	yes	no	no	
	Decorative resins from the Kerakoll Warm Collection range	yes	no	no	no	
	Resins for industrial floors from the Kerakoll Factory range (film systems for foot traffic in domestic environments, multilayer systems for foot traffic in commercial environments)	yes	yes	no	no	

* after verification of adhesion to the substrate

(1) Active Prime Fix

(2) Active Prime Grip

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