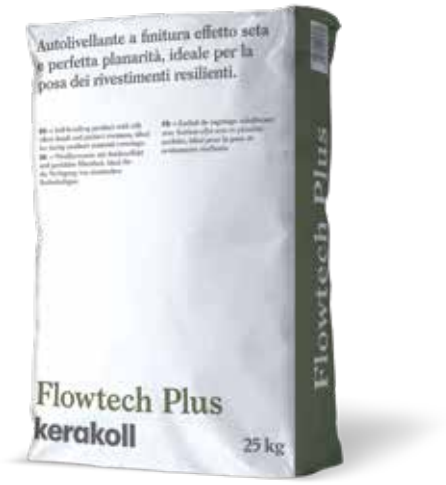
Code: P1233 2026/04 EN

Flowtech Plus

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

Flowtech Plus combines high mechanical strength with extreme self-levelling capability even at low thickness in order to level any surface with extremely fine finishes.



1. **Thickness from 1 to 10 mm**
2. **Long self-levelling time, also suitable for large surface areas**
3. **Formulated with high-performance raw materials with low environmental impact**
4. **Suitable for laying ceramic tiles, porcelain tiles, natural stone, hardwood floors, resilient materials**
5. **Extremely smooth finish without overlaps**

kerakoll

Areas of application

→ Intended use:
Self-levelling adjustment of irregular and uneven substrates, with extra-rapid setting and drying, compensated shrinkage. Thickness from 1 to 10 mm.
Compatible adhesives:
- gel adhesives, mineral adhesives, single– and two-component organic mineral adhesives
- reactive-epoxy and polyurethane, single and two-component cement-based adhesives, dispersed in water or solvent solutions

Covering materials:
- textiles, rubber, PVC, LVT, linoleum, carpet
- porcelain tiles, ceramic tiles, klinker and cotto of all types and formats
- natural stone, recomposed materials, marble
- hardwood floors

Substrates:
- mineral screeds made with Keracem Pronto, Keracem Prontoplus, Rekord Pronto, Massetto Premix and Keracem as binder or pre-mixed product
- cement-based screeds
- calcium sulphate-based screeds
- prefabricated concrete or fresh concrete castings
- ceramic floors

Internal floors in domestic and commercial applications.

Do not use in external applications, on high flexible substrates subject to thermal expansion, on wet substrates subject to moisture rising; for floating or desolidarizing applications, in environments where water is always present.

Instructions for use

→ Preparation of substrates
The substrate must comply with current technical regulations and national standards. In general, substrates must be free of dust, oil and grease, free from any moisture rising, with no loose, flaky or imperfectly anchored parts such as residues of cement, lime, paint coatings and adhesives, which must be completely removed. The substrate must be stable, non-deformable, without cracks and have already completed the curing period of hygrometric shrinkage.
In particular, substrates must be treated with a suitable primer as listed below:
- cement-based screeds with Active Prime Fix undiluted or diluted
- calcium sulphate-based screeds with Active Prime Fix undiluted
- concrete with Active Prime Fix undiluted or diluted or with Active Prime Grip undiluted
- ceramic floors Active Prime Fix undiluted or with Active Prime Grip undiluted.

→ Preparation
Pour 6.25-6.5 l of clean water into a clean container; then pour in a bag of Flowtech Plus, while shaking. Mix with a low-rev electric agitator until a smooth, lump-free and self-levelling mixture is obtained. Larger quantities of Flowtech Plus may be prepared in suitable mixers. After the first mixing, it is advisable to leave the mixture to rest for approx. 2 minutes and then mix again briefly. Flowtech Plus features a high degree of self-levelling capacity. Adding extra water does not improve the workability of the self-levelling product, and may cause shrinkage in the plastic phase of drying and result in less effective final performance with a reduction in surface hardness, compressive strength and adhesion to the substrate.

→ Application
Flowtech Plus is generally applied with a smooth spreader or float. It is advisable to press down hard with the trowel during application so as to regulate the absorption of water and obtain maximum adhesion to the substrate. After that, the thickness can be adjusted as required. Use of a roller to remove air bubbles will be required to free the self-levelling product from air bubbles created by high absorbency levels of the substrate and to obtain a smooth and perfectly even surface. Any additional correction must be carried out as soon as the previous layer is ready for foot traffic (approx. 3 hrs at +23 °C and 50% R.H.) after applying Active Prime Fix universal adhesion promoter, following the instructions for use.
After this time, it is necessary to wait ≈ 5-7 days, depending on the thickness created, then apply Active Prime Fix and overlay. In the case of low temperatures and high humidity it is advisable to keep the environment ventilated during application and during the hours immediately following application, in order to avoid the formation of condensation on the surface of the self-levelling product during the setting phase. Protect from air currents at actual floor level.

→ Cleaning
Residual traces of Flowtech Plus can be removed from tools using water before the product hardens.

Special notes

→ Joints: allow for expansion around the perimeter, laying the Tapetex Slim compressible tape along the whole perimeter of the room, on the walls and on any other vertical elements protruding from the supporting layer. Large and continuous surface areas need to be fractionized as soon as they can withstand foot traffic so to create areas < 50 m² with 8 m maximum individual size. All the joints located in the substrate must be respected.
→ Inconsistent screeds: use Keradur to consolidate the screed. Keradur must be spread evenly across the surface to be treated using a brush, roller or sprinkler, checking that it is absorbed totally by the substrate. Apply Active Prime Fix primer the following day.
→ Hardwood floors: for subsequent laying of hardwood floors, create a smooth finish with thickness ≥ 3 mm.
→ Moisture-sensitive coverings: when laying moisture-sensitive coverings the residual moisture of Flowtech Plus must be checked on site in accordance with current regulations.
→ Underfloor heating systems (hydronic or electric): when laying Flowtech Plus on underfloor heating systems, the self-levelling product must be bonded to a rigid substrate (cement- or anhydrite-based screeds, dry panels, ceramic floors) properly treated with a suitable primer. Planogel Rheo cannot be applied floating or desolidarised. The minimum thickness above the system must be 5 mm, except in cases where the overlying covering requires a greater thickness. After 7 days from the laying of Flowtech Plus, proceed with the initial start-up cycle of the system in accordance with the requirements of standard EN 1264-4.

Certificates and marks

EN 13813 · CT C30-F7 EN13813 · GEV-EMICODE EC 1 PLUS very low emission · M1 EMISSION CLASS FOR BUILDING MATERIALS · eco 1 · ÉMISSIONS DANS L'AIR INTÉRIEUR A+ A B C

* *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).*

Abstract

Certified, high-performance correction of 1 to 10 mm-thick substrates will be carried out with an extra-quick-setting, mineral self-levelling product compliant with standard EN 13813 class CT–C30–F7, such as Flowtech Plus by Kerakoll Spa. The product is suitable for subsequent laying of resilient materials 12 hrs after its application and of hardwood floors 12 hrs after its application, in both cases at +23°C, 50% R.H. Prepare, clean and make the substrate dimensionally stable first, then apply the product with a smooth spreader. Average coverage: ≈ 1.6 kg/m² per mm of thickness created.

Technical Data compliant with Kerakoll Quality Standard		
Appearance	grey pre-mixed	
Apparent volumetric mass	≈ 1.16 kg/dm³	
Mineralogical nature of inert material	silicate – crystalline carbonate	
Grading	0 – 500 µm	
Shelf life	≈ 6 months from production in the original sealed packaging, protect from humidity	
Mixing water	≈ 6.25 – 6.5 l / 1 bag 25 kg	
Specific weight of the mixture	≈ 2.06 kg/dm³	UNI 7121
Self levelling time	≈ 20 min.	
End setting time	≈ 40 – 60 min.	
Temperature range for application	from +5 °C to +30 °C	
Maximum thickness	from 1 to 10 mm	
Foot traffic	≈ 3 hrs	
Waiting time before laying:		
- ceramic tiles, porcelain tiles, natural stone	≈ 12 hrs	
- hardwood floors	≈ 24 hrs	
- resilient materials	≈ 12 hrs	
Coverage	≈ 1.6 kg/m² 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 14123/11.01.02
HIGH-TECH		
Adhesion to concrete after 28 days	≈ 2.5 N/mm²	EN 13892-8
Resistance to:		
- compressive after 24 h	≥ 12 N/mm²	EN 13892-2
- compressive after 7 days	≥ 20 N/mm²	EN 13892-2
- compressive strength after 28 days	≥ 30 N/mm²	EN 13892-2
- flexural after 28 days	≥ 7 N/mm²	EN 13892-2
- strain parallel to the laying surface after 28 days	> 2 N/mm²	UNI 10827
Surface peeling strength, Peel test	> 3.2 N/mm²	EN ISO 22631
Dimensional stability	< 0.5 mm/m	EN 13892-9
Classification/Conformity	CT–C30–F7	EN 13813

Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site.

Warning

→ Abide by any standards and national regulations
→ do not use Flowtech Plus to correct substrate irregularities greater than 10 mm
→ do not add other binders, additives or pigments to the mixture
→ low temperatures and high relative humidity lengthen the drying time and can saturate the environment; this may have a negative effect on the quality of the surface of the self-levelling product
→ an excessive quantity of water will reduce strength and the drying time
→ before laying hardwood floors and resilient materials, check residual moisture with a calcium carbide hygrometer
→ protect from direct sunlight and currents of air for the first 3 hrs
→ respect the elastic joints present in the substrate
→ if necessary, ask for the safety data sheet
→ for any other issues, contact the Kerakoll Worldwide Global Service +39 0536.811.516 – globalservice@kerakoll.com

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