

Proflow Rapid

Ultra-rapid setting double component smoothing compound. Fast track substrate preparation before laying resilient flooring.

The next generation formulation of Proflow Rapid is ideal for fast track installations where rooms or access need to be put back into service in a short time frame. With a walk on time of 30 minutes and an installation time of just 60 minutes, Proflow Rapid is a true ultra-rapid setting smoothing compound, with free flowing properties and moisture tolerant capabilities leaving a flawless surface finish.



Rating 4

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

1. Next generation moisture tolerant formulation
2. Flawless surface finish
3. Ultra-rapid setting allows foot traffic after just 30 minutes
4. Install resilient floor coverings after just 60 minutes
5. Moisture tolerant - can be used below DPM
6. Formulated with high-performance raw materials with low environmental impact
7. Suitable for installing any type of resilient floor covering
8. Apply by hand trowel, cam rake or pin level

Areas of application

→ Intended use

Self-smoothing adjustment of irregular and uneven substrates, with ultra-rapid setting and drying, compensated shrinkage. Thicknesses from 3 to 12 mm.

Compatible adhesives:

- single and double component organic adhesives for installing resilient floor coverings

Covering materials:

- LVT and design flooring
- vinyl, sheet vinyl and safety flooring
- mosaic tiles
- textiles, rubber, PVC, linoleum, carpet
- raised floors

Substrates:

- mineral screeds made with Keracem Eco as binder or pre-mixed product
- cement-based screeds
- calcium sulphate-based screeds
- prefabricated concrete or fresh concrete castings
- existing tiled floors
- flooring grade plywood
- flooring grade asphalt/bitumen
- epoxy DPM

Internal floors in domestic, commercial and industrial applications.

Do not use in external applications or areas that are continually submerged.

Instructions for use

→ Preparation of substrates

The substrate must comply with current British standards and industry regulations. 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, without cracks and have a functioning DPM within the subfloor. If no DPM is present, a surface epoxy DPM must be applied before installing resilient floor coverings. Proflow Rapid can be used to pre-smooth the floor at 95% RH prior to installing a surface epoxy DPM.

In particular, substrates must be treated with a suitable primer as shown in the table opposite:

Substrate	Primers	Dilution with water
Cement-based screeds	Primeplus	Diluted
Calcium sulphate-based screeds	Prime+ Grip	Neat
Concretes	Primeplus	Diluted
Ceramic floors ceramic tiles	Prime+ Grip	Neat
Flooring grade plywood	Primeplus	Diluted
Gypsum fibre or fibre-cement panels	Primeplus	Diluted
Metal substrates	Prime+ Grip	Neat
Epoxy DPM	Prime+ Grip	Neat
Flooring grade asphalt/bitumen	Prime+ Grip	Neat

Instructions for use

→ Preparation

Pour the pre-measured 4.5 l bottle of Proflow Rapid liquid into a clean container; then pour in a bag of Proflow Rapid, while shaking. Mix with a mechanical mixer until a smooth, lump-free and smoothing mixture is achieved. Larger quantities of Proflow Rapid 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. Proflow Rapid features a high degree of self-smoothing capacity. Adding extra water does not improve its workability, and may cause shrinkage in the plastic phase of drying and result in less effective final performance with a reduction in surface hardness, surface finish, compressive strength and adhesion to the substrate.

→ Application

Proflow Rapid is generally applied with a flooring trowel, cam rake or pin level. The use of an aeration tool or spike roller can be used but is not required to further improve the surface finish of Proflow Rapid, but will work to remove entrapped air from the mixture. If an additional application of Proflow Rapid is required once the initial application has been completed, the first installation layer must first be hardened and ready to accept foot traffic and additional application, this is generally after 60 minutes. The initial layer of Proflow Rapid must be primed with a neat coat of Prime+ Grip prior to subsequent applications. 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 smoothing compound during the setting phase.

→ Cleaning

Residual traces of Proflow Rapid can be removed from tools using water before the product hardens.

Special notes

→ Joints: perimeter expansion must be allowed for in the application of self smoothing compounds. Perimeter expansion edging strip must be installed along the whole perimeter of the room, on the walls and on any other vertical elements protruding from the substrate/subfloor. Large

and continuous surface areas need to be broken into bays as soon as they can withstand foot traffic so to create areas < 100 m² with 10 m maximum individual length. All movement or expansion joints located in the substrate must be honoured.

Certificates and marks



Technical Data compliant with Kerakoll Quality Standard

Appearance	grey pre-mixed	
Apparent volumetric mass	≈ 1.13 g/dm ³	
Mineralogical nature of inert material	silicate - crystalline carbonate	
Grading	0-600 µm	
Shelf life	≈ 12 months from production in the original sealed packaging, protect from humidity	
Mixing water	≈ 5.0 l bottle / 1 bag 20 kg	
Specific weight of the mixture	≈ 2.02 g/dm ³	UNI 7121
Self levelling time	≈ 10 min.	
Temperature range for application	from +5 °C to +30 °C	
Maximum thickness	from 3 to 15 mm	
Foot traffic	≈ 30 min.	
Waiting time before laying:		
- LVT, vinyl, sheet vinyl, safety flooring and all other resilient floor coverings	≈ 60 min.	
- resins and paints	≈ 12 hrs	
Coverage	≈ 1.481 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 GEV-Emicode	GEV certified 18429/11.01.02
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HIGH-TECH

Resistance to:

- compressive after 24 h	≥ 11 N/mm ²	EN 13892-2
- compressive after 7 days	≥ 19 N/mm ²	EN 13892-2
- compressive strength after 28 days	≥ 20 N/mm ²	EN 13892-2
- flexural after 28 days	≥ 7 N/mm ²	EN 13892-2
- böhme wear after 28 days	> 22 cm ³ / 50 cm ²	EN 13892-3
Classification/Conformity	CT-C20-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

- Product for professional use
- abide by any British standards and industry regulations
- do not use Proflow Rapid to correct substrate irregularities greater than 12 mm
- do not add other binders, additives or pigments to the mixture
- low temperatures and high relative humidity lengthen drying times and may saturate the environment with negative consequences on the surface consistency of the smoothing compound
- addition of water will reduce product strength and increase the drying time
- before laying hardwood floors, check the residual moisture content is within the accepted parameters given by the flooring manufacturer
- honour any movement or expansion joints present in the substrate
- if necessary, ask for the safety data sheet
- for unstable wooden types, particular substrates and for any other issues, contact the Kerakoll Worldwide Global Service 01772 456 831 - info@kerakoll.co.uk



The Rating classifications refer to the GreenBuilding Rating Manual 2013. This information was last updated in April 2024 (ref. GBR Data Report - 04.24); please note that additions and/or amendments to this information 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 in your building yards 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.