Code: P1352 2025/01 - UK/EN

Proflow Smooth

High performance double component smoothing compound. Free flowing and rapid setting with prolonged working time.

Proflow Smooth's advanced formulation allows for effortless application whilst maintaining control under the trowel. Developed to offer high flow properties, exceptional repair properties, extended working and wet edge times and a surface finish ideal for direct bonding of LVT and other resilient flooring.

1. **Next generation moisture tolerant formulation**
2. **Flawless surface finish**
3. **Free flowing formulation makes application effortless**
4. **Moisture tolerant - can be used below DPM**
5. **Prolonged wet edge and working time combined with rapid install time**
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**

Rating 3

GREENBUILDING RATING
REF. GBR DATA REPORT 01.25
APPROVED

- ✓ Regional Mineral ≥ 60%
- × Recycled Regional Mineral ≥ 30%
- ✓ CO_2 Emission ≤ 250 g/kg
- × VOC Low Emission
- ✓ Recyclable

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Areas of application

→ Intended use:
Self-smoothing adjustment of irregular and uneven substrates, with 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
- ceramic 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 functioing DPM within the subfloor. If no DPM is present, a surface epoxy DPM must be applied before installing resilient floor coverings. Proflow Smooth 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	Primeplus	Diluted 3:1 followed by neat coat
Concretes	Primeplus	Diluted
Ceramic floors ceramic tiles	Prime+ Grip	Undiluted
Flooring grade plywood	Prime+ Grip	Undiluted
Gypsum fibre or fibre-cement panels	Primeplus	Undiluted
Metal substrates	Prime+ Grip	Undiluted
Epoxy DPM	Prime+ Grip	Undiluted
Flooring grade asphalt/bitumen	Prime+ Grip	Undiluted

Instructions for use

→ **Preparation**
Pour the pre-measured 5 l bottle of Proflow Smooth liquid into a clean container; then pour in a bag of Proflow Smooth, while shaking. Mix with a mechanical mixer until a smooth, lump-free and smoothing mixture is achieved. Larger quantities of Proflow Smooth 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 Smooth 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 Smooth 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 Smooth, but will work to remove entrapped air from the mixture. If an additional application of Proflow Smooth 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 3.5 hours. The initial layer of Proflow Smooth must be primed with 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 Smooth 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. Perimiter 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. All movement or expansion joints located in the substrate must be honoured.**

Certificates and marks

CE EN 13813 UKCA BS EN 13813 CT C16-F6 EN 13813

Technical Data compliant with Kerakoll Quality Standard		
Appearance	grey pre-mixed	
Apparent volumetric mass	≈ 1.19 g/dm³	
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	≈ 2.03 g/dm³	UNI 7121
Self levelling time	≈ 30 min.	
Temperature range for application	from +5 °C to +30 °C	
Maximum thickness	from 3 to 12 mm	
Foot traffic	≈ 90 min.	
Waiting time before laying:		
- LVT, vinyl, sheet vinyl, safety flooring and all other resilient floor coverings	≈ 3.5 hrs	
- resins and paint	≈ 12 hrs	
Coverage	≈ 1.481 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		
HIGH-TECH		
Resistance to:		
- compressive after 24 h	≥ 11 N/mm²	EN 13892-2
- compressive after 7 days	≥ 15 N/mm²	EN 13892-2
- compressive strength after 28 days	≥ 16 N/mm²	EN 13892-2
- flexural after 28 days	≥ 7 N/mm²	EN 13892-2
Classification/conformity	CT–C16–F6	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 Smooth 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 self-levelling gel
- → an excessive quantity 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

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