

Proflow MVS

MVS double component smoothing compound. Free flowing and rapid setting with moisture suppressant properties.

The revolutionary next generation formulation of Proflow MVS offers true Moisture Vapour Suppressant properties from a single, easy to use product. Developed to prevent the passage of moisture from the substrate, Proflow MVS has a built in moisture vapour suppressant barrier that is effective up to 95% RH whilst maintaining effortless application, with superior smoothing properties and flawless surface finish.



Rating 3

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

1. Next generation MVS properties, efficient up to 95% R.H.
2. Flawless surface finish
3. Replaces the potential of 3 product applications to 1 single application
4. Prolonged wet edge and working time combined with rapid install time
5. Formulated with high-performance raw materials with low environmental impact
6. Suitable for installing any type of resilient floor covering
7. Apply by hand trowel, cam rake or pin level

Areas of application

→ Intended use:

Self-smoothing adjustment of irregular and uneven substrates, with rapid setting and drying, compensated shrinkage and MVS properties.

Thicknesses from 5 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
- hardwood floors
- 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
- gypsum fibre or fibre-cement panels
- metal substrates

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 structural DPM within the subfloor. If no structural DPM is present, a surface epoxy DPM must be applied. Proflow Smooth can be used to pre-smooth the floor at 95% RH prior to installing a surface epoxy DPM to perform as a structural 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 | 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 5 l bottle of Proflow MVS liquid into a clean container; then pour in a bag of Proflow MVS, while shaking. Mix with a mechanical mixer until the mixture is smooth, lump-free and self-smoothing. Larger quantities of Proflow MVS 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 MVS features a high degree of self-levelling 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 MVS is generally applied with a flooring trowel, cam rake or pin level. The use of an aeration 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 MVS 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 4 hours. The initial layer of Proflow MVS 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 self-levelling gel during the setting phase.

→ Cleaning

Residual traces of Proflow MVS 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 levelling 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 supporting layer. 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 size. All movement or expansion joints located in the substrate must be respected.

→ Hardwood floors: for subsequent laying of hardwood floors, create a smooth finish with thickness ≥ 3 mm.

Certificates and marks



| Technical Data compliant with Kerakoll Quality Standard | | |
|--|---|----------|
| Appearance | grey pre-mixed | |
| Apparent volumetric mass | ≈ 1.21 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 | ≈ 2.04 g/dm ³ | UNI 7121 |
| Self levelling time | ≈ 30 min. | |
| End setting time | ≈ 90 min. | |
| Temperature range for application | from +5 °C to +30 °C | |
| Maximum thickness | from 5 to 12 mm | |
| Foot traffic | ≈ 90 min. | |
| Waiting time before laying: | | |
| - LVT, vinyl, sheet vinyl, safety flooring and all other resilient floor coverings | ≈ 4 hrs | |
| - resins | ≈ 12 hrs | |
| Coverage | ≈ 1.333 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

HIGH-TECH

Resistance to:

| | | |
|--------------------------------------|--------------------------|------------|
| - compressive after 24 h | $\geq 9 \text{ N/mm}^2$ | EN 13892-2 |
| - compressive after 7 days | $\geq 14 \text{ N/mm}^2$ | EN 13892-2 |
| - compressive strength after 28 days | $\geq 20 \text{ N/mm}^2$ | EN 13892-2 |
| - flexural after 28 days | $\geq 7 \text{ N/mm}^2$ | EN 13892-2 |
| 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 MVS to correct substrate irregularities greater than 12 mm
- do not add other binders, additives or pigments to the mixture
- low temperatures 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 strength and the drying time
- respect 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 March 2024 (ref. GBR Data Report - 03.24); 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.