



Technical Data Sheet

VIA Terrazzo

Seamless lime and water-glass terrazzo

VIA Terrazzo is an innovative flooring system distinguished by its design flexibility, robustness, straightforward installation and environmentally responsible composition.

Terrazzo originated in Venice in the 16th century and reached its peak in the 18th century, when it was based on lime. These lime terrazzi were not only durable and hard-wearing but also elastic enough to absorb movement in the substrate. VIA today again offers a lime-bound terrazzo which, activated with water glass, is hard at the surface and flexible at the same time. This lime-bound terrazzo can be ground almost dust-free, providing a traditional, seamless floor solution that returns to its Venetian origins.

VIA Terrazzo is a seamless, classic, cement-free floor covering made from sand, lime and stone aggregate, natural and 100% recyclable. VIA offers a distinctive selection of aggregate mixes and colours. Further information on the aggregates is available at www.viamaterial.de.

PRODUCT PROPERTIES

EMICODE EC1 PLUS

Very low emissions

FLOW BEHAVIOUR

Minimal

CURING

Hydraulically fast-setting

UNDERFLOOR HEATING

Suitable, see substrate



01 SPECIFICATIONS

Technical Data

Fire behaviour	Non-combustible, Class A1 per EN 13501-1
Flexural strength, 28 days	6.5 N/mm ² EN 1015-11, EN 13892
Compressive strength, 1 day	15 N/mm ²
Compressive strength, 28 days	30.4 N/mm ² EN 1015-11, EN 13892
Compressive strength, long term	Above 50 N/mm ²
Bond tensile strength	Ø 1.62 N/mm ² EN 1015-12
Water absorption	0.30 g/cm ³ EN 13748-1
Open time	Approx. 30 to 45 minutes, depending on temperature
Walkable after	Approx. 12 hours
Processing temperature	+10 °C to +25 °C
Temperature resistance, cured	-40 °C to +70 °C
Material consumption	Approx. 25 kg/m ² at 10 mm thickness, 3 mm ground off, final layer approx. 7 mm

Open time is subject to fluctuations depending on temperature and site conditions.



02 PREPARATION

Substrate Requirements

- Sufficient dryness, strength, load-bearing capacity and dimensional stability.
- Free from bond-reducing layers such as dust, dirt, oil, grease and loose particles.
- Separating or sintered layers must be removed by suitable mechanical means, for example grinding, brushing, blasting or milling.
- Substrate must meet the requirements of DIN 18 202, tolerances in building construction.
- Cement screeds must be at least 28 days old, of strength class F4, with residual moisture of ≤ 2.0 CM-%, or ≤ 1.8 CM-% with underfloor heating.
- Calcium sulfate screeds must be prepared in accordance with the BEB technical bulletin on surface assessment and preparation of anhydrite screeds.
- When installing on heated screeds, observe the technical bulletins for ceramic tiles, natural and reconstituted stone on heated and unheated cement-bonded floor constructions, as well as DIN EN 1264 Part 4.
- For heated floor constructions, observe the BVF technical information on interface coordination.



03 PREPARATION

Mixing Ratio**25 kg** ready-mix**2.3 to 2.4 l** cold, clean water

Always observe the specification on the respective bucket.

04 SUBSTRATE

Priming

See the technical data sheet for VIA Screed Primer.

05 INSTALLATION

Application

- Mix the VIA Terrazzo ready-mix homogeneously with cold, clean water in a mixing tub or a suitable clean container. The use of a mechanical stirrer is recommended. Do not mix more material than can be processed within approximately 30 minutes.
- Do not re-temper already setting material with water.
- Distribute the mixture evenly with a trowel to the correct height. Avoid height differences. The more even the application, the easier the subsequent grinding steps.
- Material can be ground dry after 24 hours with terrazzo grinding machines and a vacuum equipped with a fine-dust filter. See grinding guide.
- Tools can be cleaned with water immediately after use.



06 HANDLING

Packaging, Storage & Disposal

Packaging	25 kg bucket.
Storage	Store buckets dry. Shelf life 12 months in unopened containers. Opened containers must be resealed immediately and used as quickly as possible.
Disposal	VIA buckets can be reused or returned to VIA. For disposal of product residues, wash water and containers with product residues, observe local regulations. Dried or fully cured material can be disposed of as waste.
EMICODE	EC1 PLUS, very low emissions, regulated.
GISCODE	ZP1, low chromate.

07 IMPORTANT INFORMATION

Notes

- All values are approximate and subject to fluctuations in ambient conditions.
- Reacts alkaline with moisture. Protect skin, eyes and respiratory organs. Do not inhale dust. On contact, rinse thoroughly with water. In case of eye contact, additionally consult a doctor.
- For additional products, please observe the corresponding product data sheets. In case of doubt we recommend obtaining further information from the manufacturer.
- During processing, protect VIA Terrazzo from high temperatures, draughts and direct sunlight, as these strongly influence the open time.
- High temperatures accelerate, low temperatures delay the curing process. Observe the relevant recommendations, guidelines, DIN standards and safety data sheets. VIA guarantees the impeccable quality of its products. Application recommendations are based on tests and practical experience; they can only be general guidance without any assurance of properties, as VIA has no influence on site conditions, the execution of the work or the application.
- VIA Terrazzo is a natural product. Colour variations within a batch are possible. The resulting play of colour cannot be avoided and is part of the character of the VIA material.

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