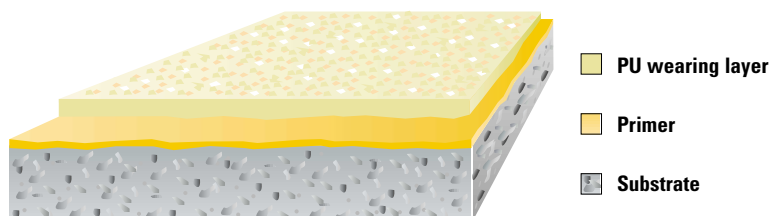


RINOL *CRETE* *terrazzo*

Beauty, hygiene and toughness



System description

A two layer terrazzo effect polyurethane mortar system for concrete and similar substrates. Applied thickness 6 - 8 mm. Electrically conductive / dissipative and wall render versions are available.

Maximum service temperature

120 °C dry / 100 °C wet

Colour range

Available in 6 standard background colours. See our brochure for details.

Benefits

- minimum downtime – tolerant of substrate moisture and fast curing
- non-tainting
- attractive terrazzo appearance
- hygienic – will not support bacterial growth
- meets EU requirements for food plants
- extremely tough and hard wearing
- highly temperature and thermal shock resistant
- highly impact resistant
- resistant to almost all chemicals
- non-dusting

Areas of use

- prestige heavy duty industrial areas
- pharmaceutical production
- pharmaceutical packing

Physical properties

Compressive strength 59 N/mm²

DIN EN 196 / ASTM D 695

Flexural strength 40 N/mm²

DIN EN 196 / ASTM D 638

Tensile strength 6.5 N/mm²

ISO R 527 / ASTM D 638

Dynamic E modulus 19 000 N/mm²

DIN EN 13412 / ASTM C 597-83

Adhesive strength > 2.5 N/mm²

DIN ISO 4624 / ASTM C 882

(concrete failure)

Abrasion resistance (Taber H22 wheel, 1000g load) 1250 mg / 1000 cycles

DIN 53754 / ASTM D 4060

Resistance to earth

(conductive version) > 50 000 < 10⁸ Ω

DIN 51953 / DIN EN 1081

RINOL **CRETE** terrazzo

System description

A two layer terrazzo effect polyurethane mortar system for concrete and similar substrates. The primer is **RINOL PU-P250** The wearing layer is **RINOL PU-C570** The applied thickness is 8 - 9 mm ground down to 6 - 7 mm.

Method statement

1. Substrates

- 1.1 Suitable substrates are concrete, polymer modified concrete or screeds and mild (carbon) steel.
- 1.2 The substrate should have a tensile (pull-off) strength of at least 1.5 N/mm² when measured according to a recognised national standard.
- 1.3 The substrate should be visibly dry.
- 1.4 The substrate must be clean and free from dust and loose particles. All traces of contaminants such as oils, fats, greases, paint residues, chemicals, algae and laitance, should be removed.

2. Preparation

- 2.1 The preferred method of surface preparation is vacuum shot blasting. Other methods such as scabbling, grit blasting or surface planing can be used but are generally less satisfactory. Chemical methods such as acid etching are not to be used.

3. Priming

- 3.1 The primer **RINOL PU-P250** is mixed using an electric mixer taking care to avoid the inclusion of air. When homogeneous the mix is poured onto the prepared surface and spread using a Kaub spatula or rubber spreader. Material consumption will be 250 - 500 g/m² depending upon substrate roughness.
- 3.2 Onto the wet primer dry silica sand (**RINOL QS-20**) is scattered at a rate of 800 - 1200 g/m² to ensure good intercoat adhesion.
- 3.3 **RINOL PU-P250** must not be applied if the temperature falls or is expected to fall to within 3 °C of the dew point.

4. Application of the polyurethane wearing layer

- 4.1 **RINOL PU-C570** should be applied once the primer or scratch coat has hardened but not completely cured. This will normally be after 12 - 15 hours.
- 4.2 **RINOL PU-C570** is mixed using a forced action pan mixer. When the mix is homogeneous it is poured onto the primer and spread and closed using a steel trowel. Optionally the mix can then be lightly rolled using a short pile mohair roller to obtain a more even finish.
- 4.3 After a minimum curing time of 8 hours the **RINOL PU-C570** mortar is ground down using terrazzo grinding machines to a nominal 6 - 7 mm.
- 4.4 The ground mortar is then dried and thoroughly vacuum cleaned. **RINOL CRETE terrazzo grout** is then mixed and applied so that all voids are completely filled and any excess removed.
- 4.5 After a further minimum 8 hours curing the grouted mortar is given a final fine grind to produce a polished terrazzo surface.

Specification clauses for RINOL **CRETE** terrazzo

- 1) The primer shall be **RINOL PU-P250** applied at a rate of 250 - 500 g/m² in such a manner as to ensure complete sealing of the substrate surface and broadcast with dry silica sand (**RINOL QS-20**) at a rate of 800 - 1200 g/m².
- 2) The wearing layer shall be **RINOL PU-C570** ground, grouted and polished to a terrazzo finish at a final thickness of 6 - 7 mm.



IMPORTANT

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee since the conditions of use are beyond the control of the company. It is the customer's responsibility to satisfy himself that each product is fit for the purpose for which he intends to use it and that the actual conditions of use are suitable.