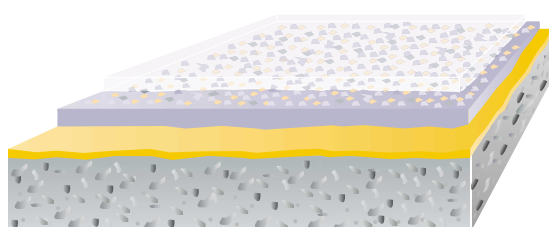


RINOL *TERRAZZO*

Combines beauty, durability and freedom of design



- Clear sealer
- Decorative resin mortar
- Primer
- Substrate

System description

A two or three layer epoxy resin floor coating system containing a decorative multi-coloured aggregate, for concrete and similar substrates.

Applied thickness 7-8 mm.

Maximum service temperature

60 °C

Colour range

Available in six standard colours.

Emerald

Jade

Kaolin

Ruby

Sapphire

Slate

Benefits

- beautiful terrazzo appearance
- great design freedom
- hard wearing and long lasting
- easy to maintain
- seamless
- low odour during application

Areas of use

- shopping malls
- prestige offices
- airports
- showrooms
- bars and clubs

Physical properties

Compressive strength 90 N/mm²

DIN EN 196/ASTM C 109

Flexural strength 42 N/mm²

DIN EN 196/ASTM C 190

Adhesive strength > 2.5 N/mm²

DIN ISO 4624

Abrasion resistance

(Taber CS10 wheel) 80 mg / 1000 cycles

DIN 53754/ASTM D 1044

Shore D hardness 82

DIN 53505

Water absorption 0 ml

CPBM 2/67/2

Colour stability (scale 1-8, best=8) 7

DIN EN ISO 877

RINOL **TERRAZZO**

System description

A decorative three layer epoxy resin coating system for concrete and similar substrates. The primer is normally **RINOL EP-P200**. The mortar is **RINOL EP-T790** pigmented and filled with a multi-coloured aggregate containing granite or marble and coloured glass. The optional clear UV stable sealer is **RINOL PU-S601**. The applied thickness is 7 - 8 mm.

Method statement

1. Substrates

- 1.1 Suitable substrates are concrete, polymer modified concrete or screeds, anhydrite or magnesite.
- 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 Substrates should be visibly dry. For concrete and polymer modified concrete, primer **RINOL EP-P200** can tolerate moisture contents of up to 3.5 % by weight. Higher moisture contents up to a maximum of 6 % by weight can be tolerated if primer **RINOL EP-P210** is used. For anhydrite or magnesite substrates, moisture contents up to 0.5 % by weight are permissible. Moisture contents must always be measured according to a recognised standard.
- 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 grinding can be used but are generally less satisfactory.

3. Priming

- 3.1 The primer 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 inter-coat adhesion.
- 3.3 Primers 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 mortar layer

- 4.1 The mortar layer should be applied once the primer has hardened but not completely cured. This will normally be after 12 - 15 hours.
- 4.2 Before application of the levelling coat excess silica sand should be removed by vacuum cleaning.
- 4.3 The resin base **RINOL EP-T790** and the pigmented paste are mixed using an electric mixer taking care to avoid the inclusion of air. When homogeneous the mix is transferred to a forced action mixer and **RINOL TERRAZZO** mix added at a rate of 8 parts **TERRAZZO** mix to 1 part of resin. When homogeneous the mix is poured onto the floor and spread to a consistent closed finish using a metal trowel to a thickness of 9 mm. The material consumption will be 2000 g/m²/mm.
- 4.4 Care must be taken to ensure as flat a surface as possible and the surface must be tightly closed.
- 4.5 The floor must be left to cure for a minimum time of 18 hours before specialised diamond terrazzo grinding machines are used to grind and polish the floor until the aggregates are consistently exposed. The first coarse grind will be dry; the second polishing grind will be wet.
- 4.6 The ground mortar is then washed, dried and thoroughly vacuum cleaned. **RINOL TERRAZZO** grout is then mixed and applied so that all voids are completely filled and any excess removed.
- 4.7 After a further 18 hours curing the grouted mortar is given a final fine wet grind to produce a polished terrazzo surface.

5. Application of the clear sealer

- 5.1 The clear UV stable sealer **RINOL PU-S601** should be applied once the mortar layer has hardened but not completely cured. This will normally be after 12 - 15 hours.
- 5.2 The clear sealer **RINOL PU-S601** is mixed using an electric mixer taking care to avoid the inclusion of air. When homogeneous the mix is poured onto the mortar surface and applied using a fine mohair roller. The material consumption should be 50 - 100 g/m².
- 5.3 A second application of sealer is then made in the same manner.
- 5.4 **RINOL PU-S601** must not be applied if the temperature falls or is expected to fall to within 3 °C of the dew point.
- 5.5 At 20 °C **RINOL TERRAZZO** can be walked on after 18 to 24 hours, will reach full mechanical resistance after 7 days and full chemical resistance after 28 days. At 30 °C these times can be halved.

Specification clauses for RINOL **TERRAZZO**

- 1) The primer shall be **RINOL EP-P200** or equivalent applied at a rate of 250 - 500 g/m² in such a manner as to ensure complete sealing of the substrate surface.
- 2) Dry silica sand (**RINOL QS-20**) shall be broadcast into the wet primer at a rate of 800 - 1200 g/m².
- 3) The mortar layer shall be **RINOL EP-T790** pigmented and filled with **RINOL TERRAZZO** mix. It shall be ground and polished to a terrazzo finish at a final thickness of 7 - 8 mm.
- 4) The clear sealer shall be **RINOL PU-S601** applied at a rate of approximately 75 g/m² per coat.



No.1 in industrial flooring

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