

# RINOL MARKET

Combines aesthetics with safety



## System description

A three layer epoxy resin floor coating system containing a decorative quartz aggregate for concrete and similar substrates. Applied thickness 2 - 3 mm.

### Maximum service temperature

60° C

### Colour range

Available in five standard colours approximating to RAL standards

RAL 1012	Lemon yellow
RAL 2009	Traffic orange
RAL 3001	Signal red
RAL 5024	Pastel blue
RAL 6011	Reseda green

### Benefits

- attractive appearance
- hygienic and impermeable
- easy to clean
- meets EU requirements for food plants
- hard wearing and long lasting
- slip resistant anti-skid finish (German R11 standard)
- seamless
- low odour during application

### Areas of use

- wet markets
- hawker markets
- commercial kitchens
- wet food process areas
- canteens

## Physical properties

**Compressive strength** 65 N/mm<sup>2</sup>

DIN EN 196/ASTM C109

**Flexural strength** 50 N/mm<sup>2</sup>

DIN EN 196/ASTM C190

**Adhesive strength** >2.5 N/mm<sup>2</sup>

DIN ISO 4624

### Abrasion resistance

**(Taber CS10 wheel) 80mg / 1000 cycles**

DIN 53754 / ASTM D 1044

**Shore D hardness** 80

DIN 53505

**Slip resistance** R11

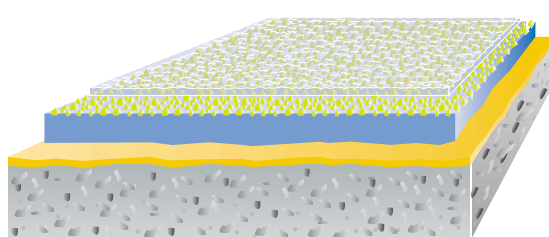
DIN 53505

**Water absorption** 0 ml

CP.BM 2/67/2

**Colour stability (scale 1-8, best=8)** 6

DIN EN ISO 877



■ Clear sealer

■ Levelling coat with decorative quartz

■ Primer

■ Substrate

# RINOLMARKET

## System description

A three layer anti-slip epoxy resin coating system for concrete and similar substrates. The primer is normally **RINOL EP-P200**. The levelling coat is **RINOL EP-C500** with the surface blinded with **RINOLMARKET** decorative quartz. The clear sealer is **RINOL EP-T710**. The applied thickness is 2-3 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/mm<sup>2</sup> 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/m<sup>2</sup> 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/m<sup>2</sup> to ensure good intercoat 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 levelling coat.

- 4.1 The levelling coat **RINOL EP-C500** 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 and the primer layer should be ground and vacuum cleaned.
- 4.3 The levelling coat **RINOL EP-C500** is mixed using an electric mixer taking care to avoid the inclusion of air. When homogeneous the mix is poured onto the primed surface and spread using a trowel or serrated spatula. Material consumption should be 500 – 600 g/m<sup>2</sup>. In order to ensure a uniform thickness the teeth of the serrated spatula must be replaced regularly.
- 4.4 Onto the wet levelling coat **RINOLMARKET** decorative quartz is spread at a rate of approximately 2000 g/m<sup>2</sup>.
- 4.5 **RINOL EP-C500** must not be applied if the temperature falls or is expected to fall to within 3° C of the dew point.

### 5. Application of the clear sealer.

- 5.1 The clear sealer **RINOL EP-T710** should be applied once the levelling coat has hardened but not completely cured. This will normally be after 12-15 hours.
- 5.2 All excess **RINOLMARKET** decorative quartz must be removed by vacuum cleaning or thorough brushing before **RINOL EP-T710** is applied.
- 5.3 The clear sealer **RINOL EP-T710** is mixed using an electric mixer taking care to avoid the inclusion of air. When homogeneous the mix is poured onto the **RINOLMARKET** quartz surface and spread using a rubber spatula followed by a mohair roller. Material consumption should be approximately 500 g/m<sup>2</sup>.
- 5.4 After the first application of **RINOL EP-T710** has hardened but not completely cured (normally 8-12 hours) a second application is made using the same techniques but at a consumption rate of approximately 200 g/m<sup>2</sup>.
- 5.5 **RINOL EP-T710** must not be applied if the temperature falls or is expected to fall to within 3 deg of the dew point.
- 5.6 At 20° C **RINOLMARKET** 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 RINOLMARKET

- 1) The primer shall be **RINOL EP-P200** or equivalent applied at a rate of 250 – 500 g/m<sup>2</sup> 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/m<sup>2</sup>.
- 3) The levelling coat shall be **RINOL EP-C500** applied at a rate of approximately 500 g/m<sup>2</sup> and blinded with **RINOLMARKET** decorative quartz at a rate of approximately 2000 g/m<sup>2</sup>.
- 4) The clear sealer shall be **RINOL EP-T710** applied in two applications at a combined rate of approximately 700 g/m<sup>2</sup>.



No.1 in industrial flooring

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