

RINOLSEALING

Low cost surface protection
with enhanced performance



System description

A two layer epoxy resin sealing system for concrete and similar substrates.
Applied thickness 0.5 - 0.8 mm.

Maximum service temperature

45 °C

Colour range

Available in 10 standard colours.
See the RINOL Colour Chart for details.

Benefits

- low odour during application
- protects and hardens surface
- hard wearing
- suitable for forklift traffic
- anti-slip
- seamless
- non-dusting

Areas of use

- light duty industrial floors
- storage areas
- warehouses
- garages and car parks
- pedestrian areas

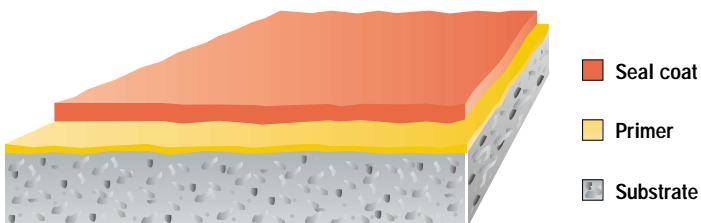
Physical properties

Adhesive strength > 3.7 N/mm²
DIN ISO 4624

Abrasion resistance
(Taber CS10 wheel) 74mg/1000 cycles
DIN 53754/ASTM D 1044

Shore D hardness 72
DIN 53505/ASTM D 2240

Colour stability (scale 1-8, best=8) 6
DIN EN ISO 877



RINOL **SEALING**

System description

A two layer epoxy resin sealing system for concrete and similar substrates. The primer is normally **RINOL EP-P200**. The seal coat is **RINOL EP-S600**. The applied thickness is 0.5 - 0.8 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 the moisture content should not exceed 4 % by weight when measured according to a recognised standard. For anhydrite substrates moisture contents up to 0.8 % by weight are permissible.
- 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 methods of surface preparation are wire-brush scarifying or surface grinding. Vacuum shot blasting can be used but care must be taken to avoid too great a surface profile.

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 intercoat adhesion. Depending on the desired anti-skid properties, more or less quartz sand is used.
- 3.3 RINOL 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 seal coat

- 4.1 The seal coat **RINOL EP-S600** 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 seal coat excess silica sand should be removed and the primer layer should be ground and vacuum cleaned.
- 4.3 The seal coat **RINOL EP-S600** 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 lambskin or mohair roller. Material consumption will be approximately 300 g/m².
- 4.4 **RINOL EP-S600** must not be applied if the temperature falls or is expected to fall to within 3 °C of the dew point.
- 4.5 At 20 °C **RINOL SEALING** can be walked on after 18 - 24 hours and will be fully cured after 7 days.

Specification clauses for RINOL **SEALING**

- 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 - depending on the anti-skid properties.
- 3) The seal coat shall be **RINOL EP-S600** applied at a rate of approximately 300 g/m² in such a manner as to ensure complete and even coverage of the primer layer.



No.1 in industrial flooring

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