

## quick curing flexible waterproof grip coating systems for floors

### FEATURES

**grip coating systems for floors**  
**waterproof and elastomeric to 1mm depending on system**  
**suitable for foot and heavy traffic**  
**provides positive traction and grip**  
**coloured and textured finish**  
**optional clear Seal Coat for easier cleaning**

### SPECIFICATION CLAUSES

#### 1. Fast Grip System—non-elastomeric

The grip system shall be Ronadeck Fast Grip Standard by Ronacrete Ltd, telephone +44 (0) 20 8593 7621. All materials to be applied in accordance with manufacturers instructions.

#### 2. Fast Grip System— elastomeric

The grip system shall be Ronadeck Fast Grip Elastomeric by Ronacrete Ltd, telephone +44 (0) 20 8593 7621. All materials to be applied in accordance with manufacturers instructions.

### SUMMARY APPLICATION PROCEDURE

#### 1. Fast Grip System—non-elastomeric

1. prepare surface
2. if necessary apply Scratch Coat
3. apply Ronadeck Fast Grip resin
4. apply Ronadeck Fast Grip Broadcasting Aggregate
5. optionally apply Ronadeck Fast Grip Seal Coat
6. allow to cure

#### 2. Fast Grip System - elastomeric

1. prepare surface
2. if necessary apply Scratch Coat
3. prime with Ronadeck Fast Grip Primer
4. apply Ronadeck Fast Grip Flexible Membrane
5. apply Ronadeck Fast Grip Resin
6. apply Ronadeck Fast Grip Broadcasting Aggregate
7. optionally apply Ronadeck Fast Grip Seal Coat
8. allow to cure

### Description

Ronadeck Fast Grip is a **self priming** (depending on system) quick curing flexible grip coating for floors. It is based on a polyurethane resin and is applied to trafficked surface to provide grip, traction and a coloured and textured finish. The waterproof system requires the use of a primer and a flexible membrane.

Ronadeck Fast Grip is suited to foot and heavy traffic and provides excellent grip and traction on surfaces, even when wet. It is designed to minimise slip and maximise slip resistance.

It has good adhesion to suitably prepared substrates and high abrasion resistance. Coloured aggregates cast into the top surface provide clear markings for safety and hazard areas, grip and general decoration.

Total system thickness is between 0.8mm and 4mm depending on the aggregate used.

### Features

- ✓ **flexible coating system for floors**
- ✓ **waterproof**
- ✓ **suitable for foot and heavy traffic**
- ✓ **provides positive traction and grip**
- ✓ **coloured and textured finish**
- ✓ **self priming (depending on system)**
- ✓ **elastomeric system available**
- ✓ **optional clear Seal Coat for easier cleaning**

### Uses

- balconies
- laboratories
- chemical processing areas
- showrooms
- factories
- car parks and ramps
- steps
- platforms
- footbridges

### System Options

There are two Ronadeck Fast Grip systems. The "Standard" system is flexible, decorative and provides grip but is **not** designed to accommodate substrate movement. It comprises:

- Ronadeck Fast Grip Resin
- Ronadeck Fast Grip Broadcasting Aggregate
- Ronadeck Fast Grip Seal Coat

The "Elastomeric" system **is** flexible, elastomeric and waterproof and comprises:

- Ronadeck Fast Grip Primer
- Ronadeck Fast Grip Flexible Membrane
- Ronadeck Fast Grip Resin
- Ronadeck Fast Grip Broadcasting Aggregate
- Ronadeck Fast Grip Seal Coat

For application procedure for the Elastomeric system refer to Section B. below.

### Specification—Standard System

Application should be in the following sequence as appropriate:

- prepare substrate
- if necessary apply Scratch Coat (see A. below)
- apply Fast Grip Resin
- cast aggregate
- remove excess
- if necessary apply Seal Coat

### Surface Preparation

Ensure that all substrates to be coated are structurally sound and are able to accept a high strength coating. Any surface damage should be removed and voids between 1.5mm and 6mm in depth should be repaired using a scratch coat (see Section A. below) of Ronadeck Fast Grip Resin for asphaltic areas and cementitious areas or Monoset RXT for cementitious areas only.

### Applying on to concrete or Ronafix screeds

New concrete should be at least 4 days old. The surface may be damp but free of excess water. The same criteria would apply if laying onto a Ronafix modified screed. The substrate should be lightly abraded (e.g. by enclosed vacuum blasting) to remove laitance and to create a fine texture. Do not create depressions in the substrate which could cause the resin to pool or pond.

### Applying onto Asphalt

1. New asphalt should be at least 28 days old. Thoroughly sweep the area with a clean stiff broom. A light vacuum blast will be necessary to treat a highly polished surface.
2. Remove all traces of grease or oil deposits by cleaning the surface with an emulsifiable degreasing agent and flush away with clean water. Remove excess water.

### Applying on to mild steel, aluminium sheeting and galvanised surfaces

When applying on to mild steel, aluminium sheeting and galvanised surfaces, the surface must be treated with Ronadeck Fast Grip Metal Primer before application of Fast Grip Resin. Prepare as follows:

1. wire brush the surface to remove contamination and to produce a dull surface
2. clean to remove oil, grease and airborne contaminants

Apply one coat of Ronadeck Fast Grip Metal Primer by brush or roller at 4 - 4.5m<sup>2</sup> per litre to achieve a dry film thickness of approximately 15µ. Note that the primer is designed to etch the surface, not create a significant film build.

Apply Fast Grip Resin after approximately 2 hours. If more than 2 hours elapses, apply the resin after ensuring that the surface of the primer is clean and free of contamination.

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**Table 1 - coverage rates, cure times, overcoat within**

Product	Coverage	Cure time at 20°C 60% RH	Overcoat within (if exceeded, lightly abrade)
Ronadeck Fast Grip Resin including scatter aggregate	1.0kg/m <sup>2</sup> when using fine scatter aggregate to 1.8kg/m <sup>2</sup> when using 3mm scatter aggregate	2-4 hours (to traffic)	n/a
Ronadeck Fast Grip Seal Coat	2-7m <sup>2</sup> /litre	2 hours (tack free)	4-24 hours (traffic/overcoat time) at 20°C-60% RH

**Table 2—Cured Material**

Hardness	Shore D	75
Compressive strength at first failure	N/mm <sup>2</sup>	20
Compressive strength at 40% compression	N/mm <sup>2</sup>	45
Deflection at failure	%	10
Tensile strength	N/mm <sup>2</sup>	8
Adhesive strength	N/mm <sup>2</sup>	>1.5

**Table 3 - Technical Data**

<b>Pot Life @ 20°C/ 60% RH</b> Ronadeck Fast Grip Resin Ronadeck Fast Grip Seal Coat	5-8 minutes 1 hour
<b>Traffic Time @ 20°C/ 60% RH</b> Ronadeck Fast Grip Resin Ronadeck Fast Grip Seal Coat	2-4 hours 4-6 hours

### A. Optional application of Ronadeck Fast Grip Scratch Coat.

- 1 Carry out surface preparation as described above.
- 2 Mix Ronadeck Fast Grip Resin as stated below. Add dry sand to achieve a stiff mix.
- 3 Using the edge of a trowel, scrape apply the Ronadeck Fast Grip Resin to the prepared areas.
- 4 Allow to cure for 2-4 hours then continue the application process.

### Mixing Ronadeck Fast Grip Resin

Vigorously stir component 'A' for 1-2 minutes, cease stirring, and add the full volume of the other two components. Continue to stir until mixed. Full mixing should take no more than a further 30 seconds to 1 minute with the correct equipment (drill and paddle @ 500rpm).

The mixed material will remain mobile and liquid for approximately 5-8 minutes within which time the material should be applied.

### Application of Ronadeck Fast Grip Resin

Once mixed, pour the full contents on to the surface to dissipate exothermic heat and spread to the required thickness using a pin rake, roller or notched squeegee.

Apply the resin at 1.0-1.8kg/m<sup>2</sup> depending on profile of substrate being coated (a rough profile will require more resin) and the size of Broadcasting Aggregate being applied (a bigger aggregate will require more resin). Immediately blind the applied wet resin with Ronadeck Fast Grip Broadcasting Aggregate at 4-6kg per m<sup>2</sup> to totally cover the Ronadeck Fast Grip Resin. The maximum aggregate particle size should not exceed 4mm.

After approximately 2-4 hours at 20°C sweep or vacuum the excess aggregate and either open up the area to traffic or apply Ronadeck Fast Grip Seal Coat as specified.

### Application of Ronadeck Fast Grip Seal Coat (optional)

- 1 Apply the first coat of Ronadeck Fast Grip Seal Coat using a short nap roller at a rate of 2 - 7m<sup>2</sup> per litre. Coverage rate is determined by the size of the applied aggregate.
- 2 If applying a single coat only allow to cure for 4 hours then traffic. If applying a second coat allow the first coat to cure for at least 1 hour but not more than 24 hours. Apply the second coat in the same manner as described in 1. above, allow to cure for 4 hours then traffic.

### Notes

- 1 Do not apply Seal Coat if rain, fog or high humidity are expected within the cure times of the products.
- 2 Remove all traces of dust or deleterious material prior to application of Ronadeck Fast Grip or Seal Coats.
- 3 The minimum application temperature for the Ronadeck Fast Grip system is 5°C.
- 4 For optimum flow and coverage bring the material to a temperature of 12°C to 15°C before application.

### Properties

Ronadeck Fast Grip has excellent resistance to most commonly used dilute acids and alkalis, diesel and machine oils, petrol and water spillage. Applied correctly the tensile bond strength of Ronadeck Fast Grip is greater than the cohesive strength of the concrete, or other suitable substrate.

### B. Specification—Elastomeric Waterproof System

Application should be in the following sequence as appropriate:

### Surface Preparation

As standard system

### Priming

1. Stir the Ronadeck Fast Grip Primer thoroughly with a slow speed mechanical stirrer or drill. Do not over mix.
2. Immediately discharge mixed primer and apply to prepared surface.
3. Apply one coat by brush or medium pile roller at an average rate of 4-6m<sup>2</sup> per litre for surfaces with typical porosity or up to 10m<sup>2</sup> per litre on dense non porous surfaces.
4. If the first coat does not eliminate surface porosity a second coat must be applied.
5. If a second coat has to be applied either apply wet on wet or allow the first coat to dry (if more than 72 hours lapse abrade or solvent wipe and apply a second coat at the same coverage rate).

### Application of Flexible Membrane

1. Open tin and stir Ronadeck Fast Grip Flexible Membrane thoroughly before application with slow speed drill and paddle.
2. Apply by brush or medium pile roller at an average rate of 1.5-2.0m<sup>2</sup> per litre and allow to dry for 24-72 hours (after this time abrade or solvent wipe and re prime with Ronadeck Fast Grip Primer).
3. Apply Ronadeck Fast Grip Resin as described in the Standard system.

### Cleaning

Ronabond EP/PU Cleaner should be used for cleaning tools etc.

### Storage

Store unopened in dry warehouse conditions away from frost and direct heat or sunlight in the temperature range 5°C – 35°C. Shelf life of unopened material is approximately 6 months.

### Health and Safety

It is recommended that goggles, gloves, overalls and barrier cream are worn when working with Ronadeck Fast Grip. Provide adequate ventilation, including appropriate local extraction to ensure that the defined occupational exposure limit is not exceeded. The efficiency of the ventilation must be monitored regularly because of the possibility of blockage. Keep stocks of decontaminant readily available. For full details, please refer to the appropriate Health and Safety Data Sheet.

### Coverage

Note that coverage rates quoted are theoretical and based on application on to smooth non-porous surfaces; actual coverage rates can be assessed only by practical trials on representative areas of the structure and these are recommended in all situations, especially where surfaces are rough texture and / or porous.