

Ronadeck Fast Grip

Rapid cure resin bonded aggregate surfacing for decorative slip resistant safety surfacing and landscaping

FEATURES

- ✓ Resin bonded aggregate surfacing
- ✓ For landscaping and slip-resistant safety surfacing
- ✓ Fast cure times and return to use within hours
- ✓ Suitable for foot, vehicle and heavy traffic
- ✓ Quick to apply
- ✓ Self priming and moisture tolerant grades available
- ✓ Natural and coloured aggregate finishes

SPECIFICATION CLAUSES

1. Ronadeck Fast Grip

The resin bonded aggregate system shall be Ronadeck Fast Grip [select one of FGS 1, FGS 2, FGS 3, XP5 1, XP5 2, XP5 3, WPFLEX 1 WP 1, WP 2 - see the Systems Selection Tables] System by Ronacrete Ltd, telephone +44 (0) 1279 638700. The aggregate shall be [select from Table 1]. Resin shall be applied at the rate of [select the rate according to aggregate and resin type] as specified in Table 1. All materials to be applied in accordance with manufacturers instructions.

Description

Ronadeck Fast Grip is a resin bonded aggregate surfacing system for foot and vehicle traffic floors. Ronadeck Fast Grip produces a surface with the look of natural aggregate or stone but with aggregate which is firmly bonded to the surface.

It is designed for use on concrete, asphalt, tarmac, bitumen, steel and timber surfaces which require the application of a resin bonded aggregate to provide some or all of the following:

- Decoration
- Slip resistance
- Rapid cure
- Colour coding
- Safety
- Compliance with Disability Discrimination Act
- Minimal maintenance
- An alternative to loose aggregate and stone surfacing

Ronadeck Fast Grip is suited to foot and heavier 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, high abrasion and slip resistance values. Coloured aggregates cast into the top surface provide clear markings for safety and hazard areas. Natural aggregates are ideal for landscaping, driveways, paths, garden areas, car parks.

Features

- Decorative resin bonded aggregate surfacing
- Suitable for foot and heavy traffic
- The look of natural aggregate
- Provides positive traction and grip
- Coloured and textured finishes available
- Waterproof and elastomeric system available
- Seal Coat for aggregate retention and stain resistance

Uses

- Landscaping, gardens, driveways, footpaths
- Slip resistant surfacing on bridges, platforms, footbridges
- Balconies, common walkways
- Factories, laboratories, chemical processing areas
- Showrooms
- Steps, slopes, car parks and ramps
- Marinas, jetties, sea walls, pond and lake surrounds
- Pedestrian crossings, roads, approaches to junctions

System Selection

The most appropriate system is determined by the performance required, e.g. landscaping, industrial, waterproofing, flexible waterproofing, temperature at time of application, required speed of cure, degree of trafficking. Refer to Table 5.

Substrate Requirements

- Only apply to a suitable substrate.
- The best substrate is a well designed and constructed concrete.
- Ronadeck Fast Grip can also be applied to properly constructed tarmacadam (see separate guide).
- Ronadeck Fast Grip can be applied to dimensionally stable timber and metal surfaces which are clean, unpainted, untreated with oils or paints or other adhesion-limiting treatments.
- Only apply Ronadeck Fast Grip to a substrate whose construction is known to be of sufficient stability and strength in compression and tension.
- Application to any other surface is likely to result in early failure.
- If you are unsure of the substrate and its ability to receive Ronadeck Fast Grip, do not proceed.
- Ronadeck Fast Grip is a thin layer of 1mm to 4mm (approximately) depending on the system. It will therefore mirror and reflect any surface unevenness. Substrates should therefore be levelled or smoothed prior to application of Ronadeck Fast Grip to avoid this.

Contractors

- Ronadeck Fast Grip is a specialist product and must only be applied by specialist applicators.
- Do not apply or allow Ronadeck Fast Grip to be applied by contractors who do not possess the necessary skills and experience.

Temperature

- Ronadeck Fast Grip resins are rapid setting and rapid curing products.
- Their pot life and working time is severely affected by temperature including material, air and substrate temperature.
- At 25°C the pot life and working time of Ronadeck Fast Grip Standard and WP is insufficient to allow its proper application. Work with Ronadeck Fast Grip Standard and WP must therefore not proceed when material or air or substrate temperature exceed 25°C.
- Ronadeck Fast Grip XP5 resin can be applied at a substrate temperature not exceeding 30°C.
- The temperature of concrete and tarmacadam will generally be higher than the air temperature. The temperature of the substrate must therefore be measured and monitored during application and work must stop when temperature is above 25°C for Standard, WP and Flexible Membrane, 30°C for XP5.
- At low temperatures the resin will not flow sufficiently to achieve a smooth finish and work should not proceed when air, material or substrate temperature is below 5°C.

Appearance and Expectations

The design and application of Ronadeck Fast Grip results in a random aggregate scatter appearance. This is one of its key features and one which attracts users and specifiers to specify the product. Because of the random size, grading and colour of the aggregate and the way it is cast, it is inevitable that the look and density of aggregate will vary across the surface. It is also likely that in some areas there will be patches where more resin is visible. Again this is due to the nature of the product. Careful installation will reduce the variability but a uniform even surface with no visible resin showing should not be expected, neither can it be achieved.

Some aggregate will detach from the surface, and shortly after installation and perhaps for several weeks or months, aggregate will shed from the surface and must be swept away. If left in place it will cause further aggregate to be detached from the resin, especially with, for example, the turning motion of wheels. Loose stones are therefore to be expected and may be carried into buildings and vehicles on the soles of shoes.

Landscaping

Ronadeck Fast Grip is an alternative to loose stone and gravel paths, driveways, pond and lake surrounds. Loose gravel can be untidy, creating mess, unnecessary dust and introducing a slip or trip hazard. Ronadeck Fast Grip bonds natural aggregate securely to suitable surfaces creating a gravel or stone appearance but without the associated mess and inconvenience.

Ronadeck Fast Grip - Rapid cure resin bonded aggregate surfacing for decorative slip resistant safety surfacing and landscaping

Heavy Duty Industrial Applications

Ronadeck Fast Grip is designed to receive foot, vehicle and heavier traffic. The very high point loading and shear imposed by some static loads and moving heavy vehicles with narrow wheels, especially those with hard non-pneumatic steel or nylon wheels which may include some types and designs of fork trucks and pallet trucks, will damage the surface.

In these locations the use of Ronadeck Fast Grip may not be suitable and site trials should be conducted prior to large scale application. The Ronacrete Technical Department should also be consulted.

When being installed in these areas, Ronadeck Fast Grip "C" Type Broadcasting Aggregate should be used to improve physical resistance and durability. Always apply one or preferably two coats of Ronadeck Fast Grip Seal Coat to increase performance, aggregate retention and to aid cleaning.

Application Procedure

Application Summary

1. Prepare and test surface
2. As necessary apply Pore Filler to close open faced surfaces
3. As necessary prime steel or timber
4. Apply resin and aggregate
5. Sweep off when cured
6. Apply Seal Coat as required

Surface Preparation

Refer to "Substrate Requirements" on previous page

It is essential that all substrates and surfaces onto which Ronadeck Fast Grip is being laid are properly designed and constructed, are structurally sound and stable and are suitable to receive Ronadeck Fast Grip.

Tarmacadam and other "flexible" asphalt substrates

Tarmacadam and asphalt (blacktop) are 'flexible pavements' suggesting that they will flow, flex and move throughout their life and often suffer surface cracking. It should therefore be anticipated that cracks will also appear in Ronadeck Fast Grip applied to such blacktop.

New blacktop on which Ronadeck Fast Grip is to be laid should have a PEN number below 100 and be not less than 14 days old prior to applying Ronadeck Fast Grip. A higher level of PEN oil creates a softer, weaker, more flexible blacktop which is more likely to result in cracking and potential failure of the installation.

It is not uncommon for blacktop surfaces to be badly formed, especially on domestic driveway and paths, and for this reason Ronadeck Fast Grip is best applied to structurally sound concrete or screed.

This recommendation is not peculiar to Ronadeck Fast Grip but relates to an industry wide awareness of potential problems associated with bituminous surfaces, and which can apply to new and old surfaces.

Closing the surface of open face blacktop

When applying Ronadeck Fast Grip to blacktop Ronadeck Fast Grip is best applied to "base course" which contains a larger aggregate (typically 6-10mm), rather than application to "finish course" which only contains fine sand. The open texture of "base course" should be filled with Ronadeck Pore Filler to minimise the amount of resin lost within the pores of the blacktop surface.

Concrete or Ronafix screeds

New concrete or screed should be at least 4 days old at 20°C. Allow additional curing at lower temperatures to allow the concrete or screed to develop sufficient compressive and tensile strength. Concrete or screed with a compressive strength in excess of 40N/mm² and a tensile strength greater than 1N/mm² is required to receive Ronadeck Fast Grip.

Wet, damp, dry surfaces

When using Ronadeck Fast Grip Standard, the surface may be damp but free of excess water. For all other grades of Ronadeck Fast Grip resin the surface must be dry.

Preparation of concrete and screed

Lightly abrade concrete and screeds (e.g. by enclosed vacuum blasting) to remove laitance and to create a fine texture. Do not create depressions in the substrate which would cause the resin to pool or pond. As with the application of any coating, surfaces should be tested to BS8204 Part 3 1993 to determine its suitability to receive Ronadeck Fast Grip.

Masking off

Apply masking tape to drains, gullies, grates, manholes and brickwork to prevent accidental application of resin and aggregate. Unprotected surfaces may be bonded together by accident.

[A] Application of Ronadeck Fast Grip Pore Filler

After preparation apply Ronadeck Fast Grip Pore Filler onto open faced concrete or blacktop to fill the matrix and reduce the porosity of open textured surfaces. This will provide a more attractive finish and improve coverage of the Ronadeck Fast Grip resin.

Carry out surface preparation as described above. Using the edge of a trowel, scrape apply the Ronadeck Fast Grip Pore Filler to the prepared surface. Only apply Pore Filler as a scrape on / scrape off pore filler. Do not achieve any thickness on the surface. It is **not designed to form a screed**. If a screed is needed, refer to the Ronacrete Technical Department. Allow Pore Filler to cure for 1-2 hours at 20°C prior to application of Ronadeck Fast Grip Standard Resin. Refer to Ronadeck Fast Grip Pore Filler data sheet for full instructions.

[B] Priming mild steel, aluminium sheeting and galvanised surfaces

Apply one coat of Ronadeck Fast Grip Primer as follows:

Wire brush the surface to remove contamination and to produce a dull surface. Clean to remove oil, grease and airborne contaminants. Ensure surface is dry. Apply one coat of Ronadeck Fast Grip Primer by brush or roller at 4 - 4.5m² 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 Ronadeck Fast Grip Standard once the primer is touch dry, typically 2 hours at 20°C.

[C] Mixing and application of Ronadeck Fast Grip Standard Resin

Ronadeck Fast Grip Standard Resin is supplied as a 3 component resin. Using a drill and helical paddle mixer stir component 'A' for 1-2 minutes to disperse any settlement then 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 a low speed drill and paddle, mixing at 300 - 500rpm).

The mixed material will remain mobile and liquid for approximately 10 minutes (at 20°C) within which time the material must be applied.

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

1. Apply the resin at 1.0-1.8kg/m² depending on the profile of substrate being coated (a rough profile will require more resin) and the size of Ronadeck Fast Grip Aggregate being applied (a bigger aggregate will require more resin); see Table 2. Immediately and within 5 minutes of mixing the resin cast the required aggregate into the wet resin at the rates specified in Tables 1 and 2 to totally cover the Ronadeck Fast Grip Standard Resin.
2. After approximately 2 hours at 20°C sweep or vacuum the excess aggregate and apply Ronadeck Fast Grip Seal Coat. Excess aggregate may be reused provided it remains dry and clean. Open up the area to traffic when the Seal Coat has cured.

Ronadeck Fast Grip - Rapid cure resin bonded aggregate surfacing for decorative slip resistant safety surfacing and landscaping

[D] Mixing and application of Ronadeck Fast Grip XP5 Resin

Ronadeck Fast Grip XP5 Resin is supplied as a two component product. Mix parts A and B separately to disperse any settlement then add Part B to Part A and thoroughly mix using a slow speed drill and paddle (500rpm) until a uniform coloured product is obtained free from streaks. Care should be taken to remove any material from the sides of the container.

Once mixed, pour the full contents onto 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/m² depending on the profile of substrate being coated (a rough profile will require more resin) and the size of Ronadeck Fast Grip Aggregate being applied (a bigger aggregate will require more resin); see Table 1. Immediately blind the applied wet resin with Ronadeck Fast Grip Aggregate at the rates specified in Tables 1 and 2 to totally cover the Ronadeck Fast Grip XP5 Resin. The maximum aggregate particle size should not exceed 3mm.

After approximately 3 hours at 20°C sweep or vacuum the excess aggregate and apply Ronadeck Fast Grip Seal Coat. Excess aggregate may be reused provided it remains dry and clean. Open up the area to traffic when the Seal Coat has cured.

[E] Mixing and application of Ronadeck Fast Grip WP Resin

Ronadeck Fast Grip WP Resin is supplied as a two component product. Mix parts A and B separately to disperse any settlement then add Part B to Part A and thoroughly mix using a slow speed drill and paddle (500rpm) until a uniform coloured product is obtained free from streaks. Care should be taken to remove any material from the sides of the container.

Once mixed, pour the full contents onto 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/m² depending on the profile of substrate being coated (a rough profile will require more resin) and the size of Ronadeck Fast Grip Aggregate being applied (a bigger aggregate will require more resin); see Tables 1 and 2. Immediately blind the applied wet resin with Ronadeck Fast Grip Aggregate at the rate specified in Table 2 to totally cover the Ronadeck Fast Grip WP Resin. The maximum aggregate particle size should not exceed 3mm.

After approximately 3 hours at 20°C sweep or vacuum the excess aggregate and apply Ronadeck Fast Grip Seal Coat. Excess aggregate may be reused provided it remains dry and clean. Open up the area to traffic when the Seal Coat has cured.

When applying Ronadeck Fast Grip WP onto ramps or inclined areas it may be necessary to use Ronadeck Fast Grip WP Incline Grade which has an increased viscosity.

[F] Application of Ronadeck Fast Grip Flexible Membrane

1. Open tin and using a slow speed drill and paddle stir Ronadeck Fast Grip Flexible Membrane thoroughly before application.
2. Apply by brush or medium pile roller at an average rate of 1.5-2.0m² 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 Standard or XP5 resin as previously described.

[G] Application of Ronadeck Fast Grip Seal Coat

1. Apply the first coat of Ronadeck Fast Grip Seal Coat using a short nap roller at the rates shown in Table 2. Even and consistent application is essential. Uneven application will result in patchiness, a variance in light reflection and differences in matt and gloss appearance and careful attention must therefore be paid to coverage rates, film thickness and directional rolling.
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.

3. Apply the second coat in the same manner as described in 1. above.
4. Allow to cure for 4 hours then traffic.
5. To reduce the cure time of Seal Coat add 1% Ronadeck Fast Grip Seal Coat Catalyst. This will reduce the cure time and overcoat/traffic time by 50%.

Ronadeck Fast Grip Seal Coat is available in two grades. Ronadeck Fast Grip UV is non yellowing and resistant to ultra violet light. Ronadeck Fast Grip Seal Coat LS is light stable and will lose its opacity. Differences between shaded and non-shaded areas will become apparent when using the LS version. Refer to separate data sheet.

Ronadeck Fast Grip Seal Coat improves the retention of aggregate, reducing the amount which "picks out" from the surface, and also aids cleaning of the surface. Ronadeck Fast Grip surfaces which are coated with Seal Coat will look different to those surfaces which are left unsealed. However the decision to apply or not apply Seal Coat should not be made on the basis of appearance or cost, but on performance and expectation.

Do not apply Seal Coat if rain, fog or high humidity are expected within the cure times of the products. Refer to separate Ronadeck Fast Grip Seal Coat data sheet.

Properties

Ronadeck Fast Grip has good 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.

Aggregate Selection

Ronadeck Fast Grip Aggregates have been selected based on their suitability for individual applications. Included is appearance, polished stone value and strength. Some aggregates are inherently weak and brittle and will therefore have been excluded from our selection. On balconies and walkways, for example, which will only be used by foot traffic, ultra fine or fine aggregate is suitable. A larger aggregate could be used although this may be less comfortable for walking on. On vehicle trafficked surfaces, whilst the coarse or medium aggregates are recommended, fine can also be used. However, each piece of aggregate will be abraded and wear as traffic passes over it. The larger the stone, the longer it will last before it is worn away to such an extent that it no longer serves any technical function. Therefore the larger aggregates are recommended in these areas.

Aggregate Colour and Shading

The sourcing and processing of the natural and pigmented aggregates supplied with Ronadeck Fast Grip cannot eliminate variability in their colour, shading and grading even though strict quality control measures are in place. We are therefore unable to guarantee that aggregates will be free from such variation and cannot accept any liability for any variation. If a floor surface with a more uniform colour, shade and texture is required we are able to offer alternative products and the advice of the Ronacrete Technical Department should be sought.

Wear resistance and durability

Dependent on the system specified, the condition and performance of the substrate, the aggregate selected and the use of Ronadeck Fast Grip Seal Coat, applications can be expected to last up to 10 years when properly inspected and maintained. Performance is dependent on many factors, especially including the aggregate, and it is recommended that only aggregates supplied by Ronacrete are used. Ronacrete are able to supply aggregates which may not be shown on charts or the standard price list and advice should be sought from the Ronacrete Technical Department.

Cleaning

A Xylene based solvent should be used for cleaning tools etc.

Ronadeck Fast Grip - Rapid cure resin bonded aggregate surfacing for decorative slip resistant safety surfacing and landscaping

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 containers are, approximately, Standard Resin, 4 months, XP5 Resin 7 months, XP Resin 12 months, Flexible Membrane 6 months, Pore Filler 9 months, Seal Coat 6 months and Primer 12 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 onto 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.

Site Attendance

When on site Ronacrete representatives are able, if asked, to give a general indication of the correct method of installing a Ronacrete product. It is important to bear in mind that Ronacrete Ltd is a manufacturer and not an application contractor and it is therefore the responsibility of the contractor and his employer to ensure he is aware of and implements the correct practices and procedures to ensure the correct installation of the product and that liability for its correct installation lies with the contractor and not with Ronacrete Ltd.

Application	Aggregate Type	Product Type
balconies, foot traffic	Ultra Fine	Type "UF"
balconies, light industrial, rubber wheeled vehicles including cars	Fine	Type "F"
balconies, driveways, footbridges, car park bays, light to medium industrial, rubber wheeled vehicles including cars	Medium	Type "M"
car park ramps and turning circles, medium industrial, rubber wheeled vehicles including cars	Coarse	Type "C"

Aggregates should be selected based on their suitability for the anticipated traffic, desired durability and appearance. The use of an inappropriate aggregate will result in early wearing of the aggregate, a reduction in slip resistance, loss of aggregate, "bald" areas and a less attractive appearance.

	Standard	XP5, WP
Type "C" Coarse Grade Aggregate		
Ronadeck Fast Grip Primer	n/a	0.12 litres per m ²
Ronadeck Fast Grip Resin	1.8 kg per m ²	1.5 kg per m ²
"C" Type Aggregate (1-3mm)	5 - 7 kg per m ²	5 - 7 kg per m ²
Ronadeck Fast Grip Seal Coat	1st coat: 3m ² per litre * 2nd coat: 5m ² per litre *	
Type "M" Medium Grade Aggregate		
Ronadeck Fast Grip Primer	n/a	0.12 litres per m ²
Ronadeck Fast Grip Resin	1.2 kg per m ²	1.0 kg per m ²
"M" Type Aggregate (0.9-1.4mm)	5 - 6 kg per m ²	5 - 6 kg per m ²
Ronadeck Fast Grip Seal Coat	1st coat: 3.8m ² per litre * 2nd coat: 4m ² per litre *	
Type "F" Fine Grade Aggregate		
Ronadeck Fast Grip Primer	n/a	0.12 litres per m ²
Ronadeck Fast Grip Resin	1.1 kg per m ²	0.9 kg per m ²
"F" Type Aggregate (0.4-0.8mm)	4 - 5 kg per m ²	4 - 5 kg per m ²
Ronadeck Fast Grip Seal Coat	1st coat: 4m ² per litre * 2nd coat: 10m ² per litre *	
Type "UF" Ultra Fine Aggregate		
Ronadeck Fast Grip Primer	n/a	0.12 litres per m ²
Ronadeck Fast Grip Resin	1.0 kg per m ²	0.8 kg per m ²
"UF" Type Aggregate (0.1-0.3mm)	4 - 5 kg per m ²	4 - 5 kg per m ²
Ronadeck Fast Grip Seal Coat	1st coat: 4m ² per litre * 2nd coat: 11m ² per litre *	
<p>Coverage Note that coverage rates quoted are theoretical and based on application onto 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.</p> <p>* Coverage of Ronadeck Fast Grip Seal Coat is dependent on material and ambient temperature together with the size, porosity and the depth to which the aggregate has sunk in to the Ronadeck Fast Grip Resin. Accurate coverage rates can therefore only be determined by a site trial.</p> <p>Note: Typically, approximately 20% - 30% of the aggregate may be recovered, and re-used provided clean and dry.</p>		

Ronadeck Fast Grip - Rapid cure resin bonded aggregate surfacing for decorative slip resistant safety surfacing and landscaping

Table 3 Slip Resistance	0.1 - 0.3mm (UF Aggregate) with two coats of Ronadeck Fast Grip Seal Coat	0.4 - 0.8mm Fine Aggregate) with two coats of Ronadeck Fast Grip Seal Coat
SRV Value	Dry 72	Dry 70
SRV Value	Wet 69	Wet 60
Surface Roughness	116µ	93µ
Slip Resistance— 'Guidelines recommended by the UK Slip Resistance Group'		
Where Slip Resistance Value (SRV) is above 65 and Surface Roughness (µ) is greater than 30, the potential for slip is extremely low.		

Table 4 - Technical Performance Data, Ronadeck Fast Grip Standard		
Hardness	Shore D	75
Compressive strength at first failure	N/mm ²	20
Compressive strength at 40% compression	N/mm ²	45
Deflection at failure	%	10
Tensile strength	N/mm ²	8
Adhesive strength	N/mm ²	>1.5

Table 5	Description	Primer needed	Can be applied to damp surfaces	Traffic after (at 20°C)	Min/Max application temperature (material or air or substrate)	Key benefits	Specification Clauses
Standard	Polyurea resin	Concrete - no Tarmac - no Steel - yes Timber - yes	yes	2 hours	3°C / 25°C	Fast. Damp surfaces. Self priming on some surfaces. Low temperature.	FGS 1 FGS 2 FGS 3
XP5	Polyurea / polyurethane hybrid resin	Concrete - no Tarmac - no Steel - yes Timber - yes	no	4 hours	5°C / 30°C	More workable at higher temperatures	XP5 1 XP5 2 XP5 3
WP	Polyurethane resin	Concrete - yes Tarmac - no Steel - yes Timber - yes	no	3 hours	5°C / 25°C	Two coats are waterproof (although not flexible)	WP1 WP2
Flexible Membrane	Polyurethane resin	Always applied to Primer	no	Requires 24 hours cure	5°C / 25°C	Flexible waterproof membrane	WPFLEX 1
Primer	Polyurethane resin	-	no	Overcoat within 24 hours (protect before overcoating)	5°C / 25°C	Aid adhesion	WPFLEX 1 Apply to metal and some timber
Seal Coat	Polyurethane resin	Always applied to aggregate	no	2 hours	5°C / 25°C	Improves aggregate retention and stain resistance	All systems



Ronadeck Fast Grip Systems Selection Table and Specification Clauses

Specifications for:

- Landscaping and Industrial Surfacing
- To concrete, screed, blacktop, metal and timber
- Using Ronadeck Fast Grip Standard and XP5 resins

Table 6 Ronadeck Fast Grip Standard (for fastest curing and application up to 25°C). Specification Clauses FGS1, FGS2, FGS3.						
Type	Landscaping			Industrial Surfacing		
Substrate	See data sheet item...	Concrete or screed	Blacktop	Concrete or screed	Metal	Timber
Ronadeck Fast Grip Pore Filler. (Cure for 1 - 2 hours)	[A]	apply as necessary	apply as necessary	apply as necessary	-	apply as necessary
Ronadeck Fast Grip Primer. (Cure for 2 hours)	[B]	-	-	-	yes	yes
Ronadeck Fast Grip Standard Resin. (Immediately apply aggregate).	[C]	yes	yes	yes	yes	yes
Seal Coat. (Cure for 4 hours between coats or before trafficking)	[G]	apply as necessary	apply as necessary	yes	yes	yes
Specification Clause		FGS1: Ronadeck Fast Grip Standard Resin with selected aggregate, with option of Ronadeck Fast Grip Seal Coat.		FGS2: Ronadeck Fast Grip Standard Resin, selected aggregate, two coats of Ronadeck Fast Grip Seal Coat.	FGS3: Ronadeck Fast Grip Primer, Ronadeck Fast Grip Standard Resin, selected aggregate, two coats of Ronadeck Fast Grip Seal Coat.	

Table 7 Ronadeck Fast Grip XP5 (for extended working time and application up to 30°C). Specification Clauses XP5 1, XP5 2, XP5 3.						
Type	Landscaping			Industrial Surfacing		
Substrate	See data sheet item...	Concrete or screed	Blacktop	Concrete or screed	Metal	Timber
Ronadeck Fast Grip Pore Filler. (Cure for 1 - 2 hours)	[A]	apply as necessary	apply as necessary	apply as necessary	-	apply as necessary
Ronadeck Fast Grip Primer. (Cure for 2 hours)	[B]	-	-	-	yes	yes
Ronadeck Fast Grip XP5 Resin. (Immediately apply aggregate).	[D]	yes	yes	yes	yes	yes
Seal Coat. (Cure for 4 hours between coats or before trafficking)	[G]	apply as necessary	apply as necessary	yes	yes	yes
Specification Clause		XP5 1: Ronadeck Fast Grip XP5 Resin with selected aggregate, with option of Ronadeck Fast Grip Seal Coat.		XP5 2 Ronadeck Fast Grip XP5 Resin with selected aggregate, two coats of Ronadeck Fast Grip Seal Coat.	XP5 3: Ronadeck Fast Grip Primer, Ronadeck XP5 Resin, selected aggregate, two coats of Ronadeck Fast Grip Seal Coat.	

Ronadeck Fast Grip Systems Selection Table and Specification Clauses

Specifications for:

- Waterproofing and Flexible Waterproofing
- To concrete, screed and blacktop
- Using Ronadeck Fast Grip WP, Standard and XP5 resins

Ronadeck Fast Grip WP Flex (for flexible waterproofing). Specification Clause WPFLEX 1.			
Type	Flexible Waterproofing		
Substrate	See data sheet item...	Concrete or screed	Blacktop
Ronadeck Fast Grip Pore Filler. (Cure for 1 - 2 hours)	[A]	apply as necessary	apply as necessary
Ronadeck Fast Grip Primer. (Cure for 2 hours)	[B]	yes	yes
Ronadeck Fast Grip Flexible Membrane. (Cure for 24 - 72 hours)	[E]	yes	yes
Ronadeck Fast Grip Standard or XP5 Resin depending on temperature. (Immediately apply aggregate).	[C] or [D]	yes	yes
Seal Coat. (Cure for 4 hours between coats or before trafficking)	[G]	yes	yes
Specification Clause	WPFLEX 1: Ronadeck Fast Grip Primer, Ronadeck Fast Grip Flexible Membrane, Ronadeck Fast Grip Standard or XP5 Resin (subject to temperature), selected aggregate, two coats of Ronadeck Fast Grip Seal Coat.		

Ronadeck Fast Grip WP (for non-flexible waterproofing). Specification Clauses WP 1 and WP 2.			
Type	Waterproofing - (Non-Flexible)		
Substrate	See data sheet item...	Concrete or screed	Blacktop
Ronadeck Fast Grip Pore Filler. (Cure for 1 - 2 hours)	[A]	apply as necessary	apply as necessary
Ronadeck Fast Grip Primer. (Cure for 2 hours)	[B]	yes	-
Ronadeck Fast Grip WP. (Cure for 3-4 hours)	[E]	yes	yes
Ronadeck Fast Grip WP. (Immediately apply aggregate).	[E]	yes	yes
Seal Coat. (Cure for 4 hours between coats or before trafficking)	[G]	yes	yes
Specification Clause	WP 1: Ronadeck Fast Grip Primer, 1st coat of Ronadeck Fast Grip WP, 2nd coat of Ronadeck Fast Grip WP with selected aggregate, two coats Ronadeck Fast Grip Seal Coat		WP 2 1st coat of Ronadeck Fast Grip WP, 2nd coat of Ronadeck Fast Grip WP with selected aggregate, two coats Ronadeck Fast Grip Seal Coat

RONL 150 Issue 19 18 May 2007

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