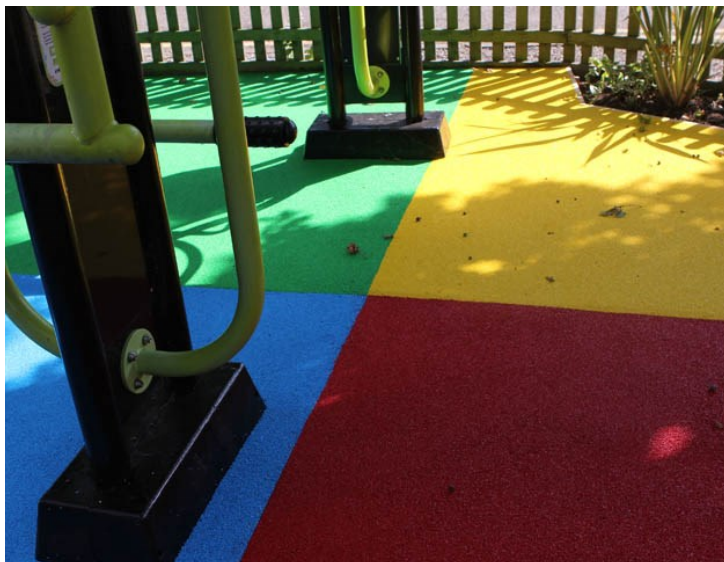


## RonaDeck UV Wet Pour Rubber Granule Surfacing

Resin bound rubber granule soft feel surfacing and shockpad for pedestrian traffic



### FEATURES

- Permeable
- UV stable—non yellowing resin
- Soft and safe underfoot
- Suitable for pool surrounds, play areas and other leisure applications
- Installed by approved contractors
- Slip resistant
- Absorbs impact
- Absorbs noise
- Choice of attractive colours

### Description

RonaDeck UV Wet Pour Rubber Granule Surfacing is a resin bound rubber granule surfacing for pedestrian traffic. It is used to create flexible seamless safety surfaces which absorb sound and impact. A solid edging should be installed as necessary to protect edges. RonaDeck UV Wet Pour Rubber Granule Shockpad is a base layer for absorbing impact below and around play equipment. The system must be laid onto a sound stable and solid base; concrete or no fines concrete is the preferred substrate, the system may be applied to asphalt concrete but there is a risk of migratory staining from the bitumen binder. Applications exceeding 40mm depth may be laid on compacted MoT Type 3 aggregate. RonaDeck UV Wet Pour Rubber Granule Surfacing is suitable for applications in areas such as playgrounds and golfing environments.

### Mix Design (Surfacing)

**RonaDeck UV Wet Pour Rubber Granule Surfacing**  
**RonaDeck Rubber Granules**

**1 x 10kg**  
**2 x 25kg**

### Performance Data and Coverage (Surfacing)

**Minimum Thickness**  
**Traffic after**  
**Slip Resistance\***  
**Coverage per batch @ 15mm**  
**Coverage per batch @ 20mm**

**15mm**  
**24 hours @ 20°C**  
**Low risk**  
**3.80m<sup>2</sup>**  
**2.85m<sup>2</sup>**

### Mix Design (Shockpad)

**RonaDeck UV Wet Pour Rubber Granule Shockpad**  
**RonaDeck Rubber Granules (2-6mm)**

**1 x 6kg**  
**2 x 25kg**

### Performance Data and Coverage (Shockpad)

**Minimum thickness**  
**Apply topping after**  
**Coverage per batch @ 25mm**  
**Coverage per batch @ 30mm**

**25mm**  
**4-24 hours @ 20°C**  
**3.80m<sup>2</sup>**  
**3.16m<sup>2</sup>**

Coverage is theoretical and will vary when applied to undulating surfaces and according to compaction. This can also vary from batch to batch. Coverage rates can be assessed by practical trials on representative areas of structure and these

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### Coverage (continued)

are recommended in all situations

\* Slip resistance tested using SlipAlert testing apparatus. Detailed Pendulum Test Values can be obtained through the Ronacrete Technical Department.

### Traffic

RonaDeck UV Wet Pour Rubber Granule Surfacing is designed for foot traffic. Vehicle traffic, heavy impact, high point and shear loading will damage the surface and may result in failure.

### Resin

RonaDeck UV Wet Pour Rubber Granule Surfacing is UV resistant, it will not yellow on exposure to UV light. This is a more attractive option than other types of resin which can yellow and dramatically alter the appearance of the finished surface.

### Rubber Granules

The performance and appearance of the finished surface is not only dependent on the resin but also on the rubber granules. The RonaDeck UV Wet Pour Rubber Granule Surfacing blends have been designed to achieve strength, resilience, porosity and decoration. Blended granules can be supplied pre-bagged by Ronacrete Ltd or can be blended on site by the contractor following the guide mixes issued by Ronacrete.

### Appearance

The appearance of samples and of materials supplied by Ronacrete are based on the colour, shade and grading of individual rubber granules supplied to Ronacrete by its suppliers. The appearance may vary from batch to batch.

### Maintenance

It is possible to repair localised damage by cutting out and replacing, ideally using the same blend as originally supplied. Ageing and weathering of the original may prevent an invisible repair. "Picking out" of some rubber granules is possible but is likely to be minimal and localised. Any major loss of rubber granules should be reported.

### Contractors

RonaDeck UV Wet Pour Rubber Granule Surfacing is a specialist product and must only be applied by specialist applicators. Do not apply or allow it to be applied by contractors who do not possess the necessary skills and experience.

### Construction of Base

Only apply to a suitable substrate which is capable of supporting, restraining and bearing the weight of the traffic load. The best substrate is a well designed and constructed solid concrete (or no fines concrete for pervious construction); close graded asphalt concrete, (or open graded asphalt concrete for pervious construction) may be used but there is a risk of migratory staining from the bitumen binder. The sub-base should be MoT Type 1, (or for pervious construction Type 3 laid on a geotextile membrane). If the surfacing is  $\geq 40\text{mm}$ , it may be applied to MoT Type 3 laid on a geotextile membrane. Do not apply to other substrates. RonaDeck UV Wet Pour Rubber Granule Surfacing is a thin layer of 15mm minimum thickness or more and may reflect substrate unevenness. The substrate must be level, completely dry and free from any contamination for example, grease or oil.

## Resin Bound and Bonded Surfacing

*Continued on following page...*

# RonaDeck UV Wet Pour Rubber Granule Surfacing

## Resin bound rubber granule soft feel surfacing and shockpad for pedestrian traffic

### Instructions for Use

1. Only use clean, dried and dust free, rubber granules which are suitable for this use.
2. Ensure that the mixing station is fully waterproof when rain is expected, discontinue mixing when fog or mist are anticipated. Only apply to a sound solid base.
3. Place 50kg of RonaDeck Rubber Granules (2-6mm) for the shockpad into a clean, dry, forced action mixer Baron M200 or similar, the mixer capacity must be no less than 120 litres.
4. Scrape all of the contents of RonaDeck UV Wet Pour Rubber Granule Shockpad resin Part B into the larger Part A container (6kg pack weight) and mix with a slow speed drill ( $\leq 450\text{RPM}$ ) and MR2 paddle mixer attachment for 2 minutes. Overmixing will increase heat generation and reduce working time.
5. Immediately add the mixed resin to the rubber granules in the mixer. Mix the rubber granules and resin together until all the granules are evenly coated with resin. Mix for approximately 3-4 minutes and avoid overmixing.
6. Discharge the mix onto the prepared surface, level and smooth. Excessive compaction will reduce permeability.
7. Allow to cure at  $20^{\circ}\text{C}$  on a rising thermometer and apply RonaDeck UV Wet Pour Rubber Granule Surfacing when the shockpad is sufficiently firm to avoid damage.
8. Place 50kg of RonaDeck Rubber Granules(1-4mm) for the surfacing into a clean, dry, forced action mixer Baron M200 or similar, the mixer capacity must be no less than 120 litres.
9. Scrape all of the contents of RonaDeck UV Wet Pour Rubber Granule Surfacing resin Part B into the larger Part A container (10kg pack weight) and mix with a slow speed drill ( $\leq 450\text{RPM}$ ) and MR2 paddle mixer attachment for 2 minutes. Overmixing will increase heat generation and reduce working time.
10. Immediately add the mixed resin to the rubber granules in the mixer. Mix the rubber granules and resin together until all the granules are evenly coated with resin. Mix for approximately 3-4 minutes and avoid overmixing.
11. Discharge the mix onto the prepared surface, level and smooth. Excessive compaction will reduce permeability.
12. Finish the surface with a suitable float and ensure that the surface is completely flat. Avoid excessive use of the float as this may cause picking out of the granules; protruding rubber granules will tear and damage the system. RonaDeck Low VOC Tool Cleaner/ Trowel Finishing Aid should be used if required, the use of white spirit is not acceptable.
13. Allow to cure as stated in **Performance Data and Coverage**.

### Working Temperatures

RonaDeck UV Wet Pour Rubber Granule Surfacing and Shockpad resins are rapid setting and rapid curing. Pot life and working time will be affected by temperature including material, air and substrate temperature. At temperatures above  $25^{\circ}\text{C}$  the pot life and working time may be insufficient to allow proper application. Work should therefore not proceed when product, air temperature exceed  $25^{\circ}\text{C}$ . At low temperatures the resin will not flow sufficiently to achieve a smooth finish and work should not proceed when air and material temperature is below  $5^{\circ}\text{C}$ . Whilst it is possible to mix and apply at temperatures down to  $0^{\circ}\text{C}$ , the cure rate and rate of strength gain will be retarded; the surface must not be trafficked until it has gained sufficient strength.

### Rain During Application

Application during rain or when rain is anticipated during the cure period is not recommended. Light rain on the surface of the system is unlikely to affect the surface but may affect the bond between granules, reducing the strength of the

## Resin Bound and Bonded Surfacing

*Continued on following page...*

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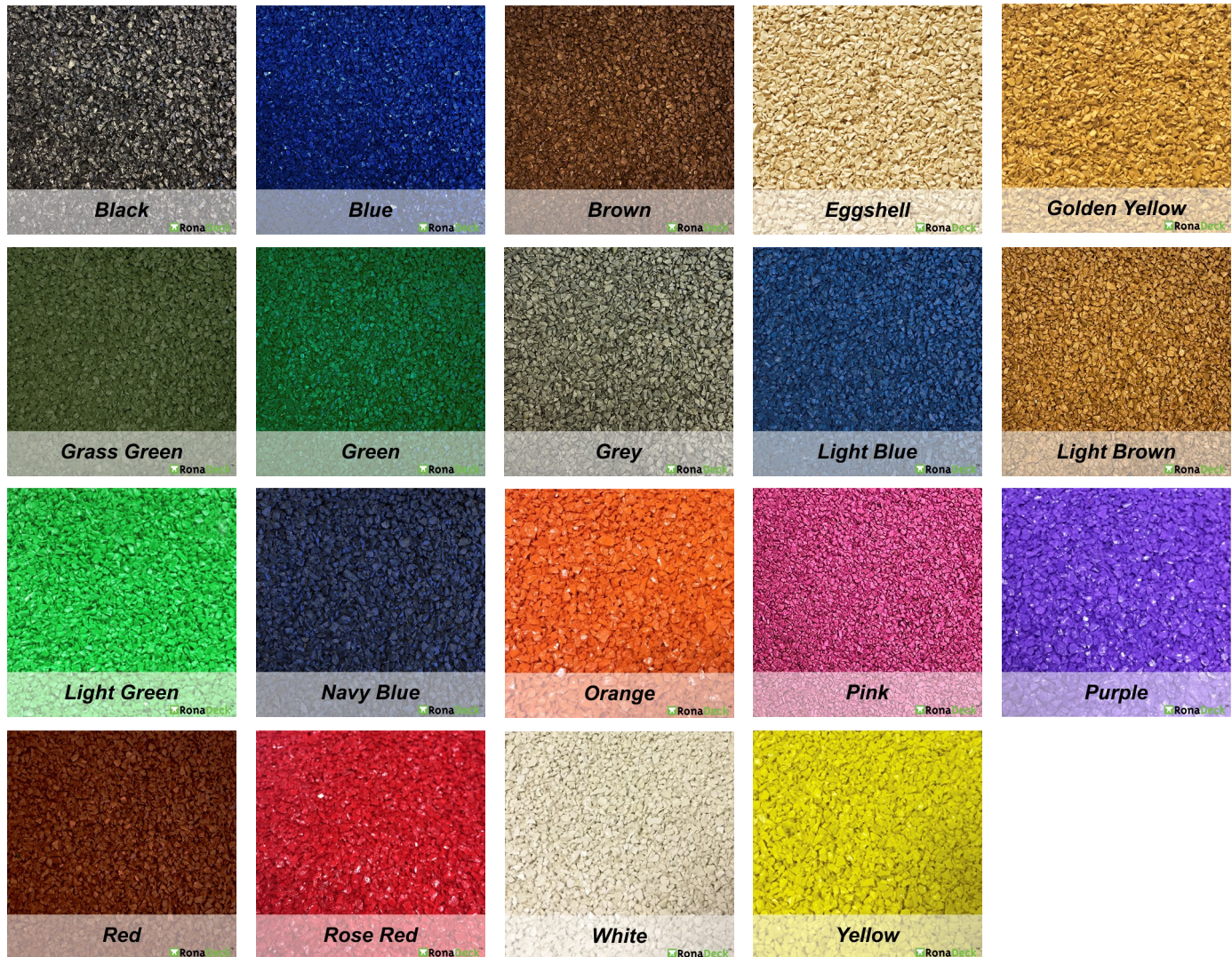
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Rain During Application (continued)	system. Note that application to a damp substrate will reduce bond strength. Unmixed granules must be kept dry at all times Care must be taken to keep the mixing station dry, thus avoiding entrapment of moisture between aggregate and resin.
Shelf Life and Storage	Shelf life of RonaDeck UV Wet Pour Rubber Granule resins is 6 months. Rubber granules have an unlimited shelf life. Store materials in clean, dry, frost free warehouse conditions away from sunlight between 5°C and 25°C.
Health and Safety	Refer to Safety Data Sheet.
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.



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Please note that all efforts have been made to get these swatches as close to the finished items as possible but due to limitation in the printing process accuracy is not guaranteed. We advise that cured samples are ordered before making a decision.

The information detailed in this leaflet is liable to modification from time to time in the light of experience and of normal product application, and before using, customers are advised to check with Ronacrete Ltd, quoting the reference number, that they possess the latest issue. Any person or company using the product without first making further enquiries as to the suitability of the product for the intended use does so at his own risk, and Ronacrete Ltd can accept no responsibility for the performance of the product, or for any loss or damage arising out of such use.

## Resin Bound and Bonded Surfacing

 **Ronacrete**

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