

RonaFloor PU Coating (& WB) formerly Ronadeck PU Coating

Polyurethane and water based polyurethane floor and wall sealer

FEATURES

- ✓ clear polyurethane coating
- ✓ in surface sealer for walls and floors
- ✓ suitable for internal and external use
- ✓ increased abrasion and frost resistance
- ✓ improved chemical resistance
- ✓ 2 or 3 coat application
- ✓ UV stable

SPECIFICATION CLAUSES

1. In surface sealer for walls and floors using RonaFloor PU Coating

The sealer shall be RonaFloor PU Coating by Ronacrete Ltd, telephone +44 (0) 1279 638700. All materials to be applied in accordance with manufacturers instructions.

2. In surface sealer for walls and floors using RonaFloor PU Coating WB

The sealer shall be RonaFloor PU Coating WB by Ronacrete Ltd, telephone +44 (0) 1279 638700. All materials to be applied in accordance with manufacturers instructions.

SUMMARY APPLICATION PROCEDURE

1. prepare surfaces
2. apply two coats of RonaFloor PU Coating or PU Coating WB
3. apply third or additional coats if necessary on porous surfaces

Description

RonaFloor PU Coating is a clear polyurethane sealer for use on floor and wall surfaces suitable on internal and external concrete, masonry and other substrates. Two grades are available.

RonaFloor PU Coating

RonaFloor PU Coating is a solvented polyurethane single component moisture curing coating which offers superior abrasion, chemical and weather resistance and of the two grades is the preferred coating in all locations due to its superior performance. It has a harder film, is UV resistant and non-yellowing. The cure time of RonaFloor PU Coating can be accelerated; see Table 2.

RonaFloor PU Coating WB

RonaFloor PU Coating WB is a water based polyurethane coating which should be used when low odour is more important than high performance. It is UV resistant and non-yellowing.

Uses

RonaFloor PU Coating is used to seal, bind and protect porous substrates. Used as a two coat seal the following benefits can be achieved:

- excellent weathering resistance
- increased anti-abrasion properties
- dust elimination due to in-surface seal
- improve frost resistance of concrete
- chemical resistant against a wide range of chemicals and solvents - consult the Ronacrete Technical Department

Advantages

- simple to use
- supplied ready to use
- moisture curing

Limitations of use

- must not be applied onto wet surfaces
- do not use RonaFloor PU Coating near naked flame
- protect from rain and adverse weather until fully cured
- adhesion is reduced on non-porous surfaces such as glazed tiles
- do not apply WB grade with a synthetic pile roller.

Surface Preparation

Thoroughly clean all surfaces to remove loose material, dirt, dust, grime etc. Remove any standing water to leave the surface as dry as possible.

Any moss, algae or fungal growth should be treated with Fongimousse Plus followed by hosing and stiff brushing.

Method of Application

1. RonaFloor PU Coatings are supplied ready to use; no dilution is required.
2. Apply RonaFloor PU Coating by roller to ensure a complete membrane is formed without breaks or pinholes.
3. Apply RonaFloor PU Coating WB by sponge roller or portable airless spray equipment suitable for application of emulsion and resin based paints. Do not use synthetic pile rollers as they may leave surface "tram lines".
4. Apply evenly, recognising that uneven application may result in visible roller marks and shading.
5. Two coats are normally sufficient to seal concrete of normal porosity, porous concrete may require at least three coats. Porous screeds and renders may require four or more coats. When applying coloured RonaFloor PU Coating to concrete, three coats may be required to achieve full opacity.
6. Avoid pooling, ponding and over-treating as this will create a surface glaze.
7. When attempting to consolidate porous and friable surfaces such as screeds or renders, apply successive coats to satisfy the porosity of the surface and until no more is absorbed. The degree to which such surfaces can be improved is variable and dependent on factors including the make up of the surface, the size and nature of pores, the original strength and stability of the surface. Application of this type is not always successful.

Coverage

Coverage is shown in Table 1. 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.

Health and Safety: RonaFloor PU Coating

Do not apply RonaFloor PU Coating by spray gun or in confined spaces unless wearing appropriate breathing apparatus.

RonaFloor PU Coating is flammable - contents have a flashpoint of 32°C. Avoid naked flames. RonaFloor PU Coating is classified as an irritant. Avoid inhalation of fumes and skin or eye contact.

Wear rubber overalls, goggles and gloves; use barrier cream and breathing apparatus is required by working conditions. In the event of fire use foam, dry chemical carbon dioxide extinguishers or water fog appliances.

Health and Safety: RonaFloor PU Coating WB

RonaFloor PU Coating WB is not classified as hazardous. If spraying wear particle mask and provide adequate ventilation in confined spaces.

Wear cotton/synthetic overalls, goggles and gloves; use barrier cream and breathing apparatus if required by working conditions. In the event of fire use foam, dry chemical carbon dioxide extinguishers. RonaFloor PU Coating WB is not flammable.

Please refer to separate Health and Safety data sheets.

First aid

In the event of skin contact wash immediately with soap and water for 15 minutes. Seek medical attention if necessary. For eye contact wash immediately with copious quantities of water. Seek immediate medical advice. If ingested wash mouth thoroughly with water. Induce vomiting. Seek immediate medical advice.

Spillage

Wash small spills away with water; soak large spills with earth or sand. Avoid contact; inform authorities if major spillage occurs.

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Storage

Shelf life is 12 months. Replace lid immediately after use. Once opened use the material within 2 days. Store in a cool, dry place.

Supply

RonaFloor PU Coating and PU Coating WB are supplied in 5 litre cans and 25 litre drums.

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.

Table 1 Technical Data at 20°C. All times are approximate and will vary according to site conditions including substrate, temperature and air movement.		
	Ronadeck PU Coating	Ronadeck PU Coating WB
Coverage (approx.)	8-10m ² per litre per coat	8-10m ² per litre per coat
Number of coats	2 or 3	2 or 3
Touch dry	2-4 hours	4 hours
Re-coatable	2-4 hours	4 - 16 hours
Full cure	24 hours	24 hours
Flash point	32°C	> 100°C
Application temperature	5°C to 25°C	10°C to 25°C
Shelf life	12 months in unopened containers	12 months in unopened containers
Taber Abraser ASTM D4060	31 milligrams	92 milligrams
Abrasion resistance after 1000 cycles	65 milligrams	160 milligrams

Coverage is based on application to smooth, flat, non-porous surfaces. Application to porous profiled surfaces will require additional material,

Table 2 The use of RonaFloor PU Coating Accelerator to speed cure and reduce traffic times Note: not for use with WB		
Time to foot traffic and to apply subsequent coats	RonaFloor PU Coating without Accelerator	RonaFloor PU Coating with Accelerator
@ 20°C	2-4 hours	2 hours
@ 15°C	5 hours	3 hours
@ 10°C	8 hours	4 hours

- Rate of addition is 1% by weight of RonaFloor PU Coating.
- Accelerator is supplied as a liquid.
- To use, measure accurately and add to RonaFloor PU Coating. Stir by hand or with a very slow speed drill and paddle for 30 seconds. Do not entrain air or create air bubbles.
- Add immediately before use.

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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. All goods supplied subject to our Terms and Conditions of Sales; see www.ronacrete.co.uk.



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