

DATASHEET 4.01

RONADECK

ECO TREE PIT

Resin Bound Porous
Tree Pit System

FEATURES

 UV stable	 Highly porous surfacing	 Decorative
 Suitable for foot traffic	 Alternative to tree grilles	 Accommodate tree growth with collar or rising funnel
 Low maintenance	 Variety of colours	

RonaDeck Eco Tree Pit is a resin bound natural aggregate finish surround for planted trees in public and private areas. Surrounding the tree in a solid yet semiflexible construction allows the tree to grow and helps prevent a build-up of litter.

The RonaDeck Eco Tree Pit comprises a UV stable two component polyurethane resin which is mixed with a range of selected kiln dried, rounded, attractive aggregates. The design of this resin bound aggregate system provides a surface which is decorative, highly porous and able to receive light foot traffic. Its porosity allows water to flow through a 6-10mm aggregate system at the rate of >850 litres/m²/minute.



SPECIFICATIONS

Working Times - Winter Grade			
Ambient Temperature	5°C	10°C	15°C
Working Time	40-60 minutes	30-45 minutes	20-30 minutes
Lay before rain	3-4 hours	2-3 hours	1-2 hours
Pedestrian traffic after	12-14 hours	7-9 hours	5-7 hours

Working Times - Summer Grade			
Ambient Temperature	15°C	20°C	25°C
Working Time	50-60 minutes	40-55 minutes	35-50 minutes
Lay before rain	6-8 hours	4-5 hours	3-4 hours
Pedestrian traffic after	24 hours	13-14 hours	9-12 hours

Working Times - Tropical Grade			
Ambient Temperature	25°C	30°C	40°C
Working Time	55-90 minutes	45-75 minutes	30-45 minutes
Lay before rain	5-6 hours	4-5 hours	2-4 hours
Pedestrian traffic after	24 hours	14-16 hours	7-8 hours

Mix Designs	
Type	Size
RonaDeck Eco Tree Pit Resin	1.5kg
RonaDeck Eco Tree Pit Aggregate	25kg
RonaDeck Eco Tree Pit Sand	1.75kg
Coverage	0.41 m ² at 40mm
RonaDeck Eco Tree Pit Resin	6kg
RonaDeck Eco Tree Pit Aggregate	100kg
RonaDeck Eco Tree Pit Sand	7kg
Coverage	1.65 m ² at 40mm

Minimum Depth
40mm

Foot Traffic After
5 hours

Permeability
>850 litres per m² per minute

AGGREGATE TYPES

Only mix with washed and kiln dried aggregates.

APPLICATION CONDITIONS

The working time and pot life of the resin is affected by material, ambient and substrate temperature. At low temperatures pot life is longer, the material will take longer to cure and the time at which it can be trafficked will be delayed. At higher temperatures pot life, working time and trafficking time is shorter. Typically, material can be applied between 5°C and 25°C.

Do not apply materials at higher temperatures as the pot life of the mixed resin will be so short that it cannot be properly mixed, applied and finished. Similarly, do not apply materials if temperatures are so low that the resins are either too viscous to mix or so slow to cure that the applied material could become damaged before it has fully cured.

ENVIRONMENTAL IMPACT

The cured system is considered non-hazardous.

The material is manufactured in a BS EN ISO 14001:2015 accredited facility.

SHELF LIFE AND STORAGE

Shelf life of RonaDeck Eco Tree Pit Resin is 6 months, aggregates have an unlimited shelf life when kept in warm, dry, well ventilated

conditions. Store all materials in clean, dry, frost free warehouse conditions between 10°C and 25°C. Protect from sunlight.

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For more information please refer to technical data sheet.

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.