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Rootbar Capsheet

Reinforced Bitumen Roof Waterproofing Systems



Introduction

The waterproofing integrity of roof gardens and green roofs is critical to ensure permanent waterproofing below the growing medium. Root penetration can pose a significant risk to waterproofing systems without suitable root resistant membranes to prevent penetration of the waterproofing system.

Standard

Rootbar Capsheet has been independently site and laboratory tested by the British Board of Agrément, and awarded BBA certificate number 02/3932.



Description

Rootbar Capsheet is a polyester reinforced, SBS modified bitumen membrane with root retardant additives. The polyester carrier is saturated and then coated with SBS modified bitumen. The upper surface is coated with mineral granules and the underside is finished with a thermofusible film.

Intended Use

Rootbar Capsheet membranes are intended for use as the capsheet layer within a bituminous built-up roofing system. The self-finished mineral surface provides a decorative and solar reflective finish for the built-up waterproofing system. The membrane is a root inhibitor and is suitable for use beneath green roofs.

Properties

	Value	Tolerance
Nominal Roll Length	8 m	±100 mm
Nominal Roll Width	1 m	±10 mm
Nominal Roll Weight	43.2 kg	±2 kg
Nominal Thickness	3.5 mm	±0.4 mm
Mineral Colour Availability	Green	

Liquids

The material is impervious to water.

Biological

The material is not susceptible to insect attack or pest damage and is unaffected by fungi, moss, lichen, moulds or bacteria.

Thermal

The material is unaffected by freeze / thaw cycling. It will support temperatures from -10 °C to 90 °C without damage.

Durability

Correctly installed and maintained systems incorporating Rootbar Capsheet may be expected to last 25 years.

Compatibility

Rootbar Capsheet membranes are compatible with most building materials with which they are likely to come into contact with during roofing works.

Hydrocarbon solvent based products, such as Naphtha, paraffin and creosote will have a harmful effect and should not be allowed to come into contact with these membranes.



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Surface Preparation

All surfaces to receive Rootbar Capsheet must be clean, dry and free from all contaminants that may affect the adhesion and performance of the membrane. Surfaces must be free of sharp projections and mechanical fixings must be well driven to prevent damage to the membrane.

Application

Rootbar Capsheet membranes are applied by torch-on application using a standard roofer's torch. The membranes should be heated carefully ensuring the heat dispersible film on the underside is completely removed as work proceeds and ensuring a continuous 5mm bead of bitumen is extruded from all laps. Side laps must follow the manufactured mineral free selvedge with end laps a minimum of 150mm. The cap sheet should be offset 300mm from the underlay to avoid side build up. End laps should also be offset.

Typical Specification

The capsheet to be Rootbar Capsheet mineral surfaced membrane, as manufactured by Icopal Limited, Barton Dock Road, Stretford, Manchester M32 0YL. Tel: 0161 865 4444 Fax: 0161 864 2616. The membrane is to be installed in accordance to the manufacturer's instructions and the requirements of BS 8217: Reinforced bitumen membranes for roofing - Code of practice.

NBS Specification

Rootbar Capsheet is specified using the following:

Clause: J41/110, J41/120, J41/130

Capsheet: Icopal Rootbar Capsheet

Manufacturer: Icopal Ltd. Barton Dock Road, Stretford, Manchester, M32 0YL. Tel: 0161 865 4444.



Delivery and Storage

The membranes are delivered to site in rolls secured with paper wrapper bearing the product name, type of surface finish, roll length, batch sticker and the BBA identification mark. The material when removed from the pallet must be stood on end on a flat level surface, under cover and away from exposure to the sun and away from heat sources. Mechanical damage must also be avoided.

Do not store where membranes are liable to come into contact with hydrocarbon solvents, such as petroleum spirit or diesel oil or other organic solvents.

NOTE: This information is given in good faith being based on the latest knowledge known to Icopal Limited. Whilst every effort has been made to ensure the contents of the publication are current while going to press, customers are advised that products, techniques and Codes of Practice are under constant review and liable to change without notice. Up to date information is available from our Technical Services Department on request.

Responsibility cannot be accepted for the application of products, and no claims can be considered, where the manufacturer's instructions have not been followed. The user should not assume, based on information provided in this sheet, that the product is suitable for any abnormal use.

All products are sold subject to our standard conditions of sale, available on request.

Quality Assurance

Rootbar Capsheet membranes are supplied under a Quality Management System approved to *ISO 9001: 2000* by BSI Quality Assurance.



QMS: Q5556

Health and Safety

Health and safety data sheets are available for all materials. Please contact Icopal's Technical Services Department for further information.

Technical Services

Specialist advice and design guidance on all matters relating to Rootbar Capsheet is freely available from our Technical Department at the address below.

Availability

Item Code	Description	Roll Length
2002633	Rootbar Capsheet	8 m x 1 m