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Uniclass JJ41: L5241: P342			
Issue 01			

Tecnatorch SBS Mineral

Reinforced Bitumen Roof Waterproofing Systems



Introduction

Tecnatorch SBS membranes have been developed for use in high performance built-up systems on flat, pitched or curved roofs; when incorporated in a suitably designed multi-layer system they will greatly improve the long term performance of that system.

Standard

Tecnatorch SBS Mineral capsheet has been independently site and laboratory tested by the British Board of Agrément, and awarded BBA certificate number 07/4409.



Description

Tecnatorch SBS Mineral capsheet is a polyester reinforced, SBS modified bitumen membrane. The polyester carrier is saturated and then coated in SBS modified bitumen. The upper surface is coated with mineral granules with a mineral-free selvedge of 75 mm. The underside is given a special grooved profile for torch-on application and is finished with a thermofusible film to prevent sticking in the roll.

Intended Use

Tecnatorch SBS Mineral is intended for use as the capsheet layer within a bituminous built-up roofing system. The membranes utilise a special grooved adhesion technology. The self-finished mineral surface provides a decorative and solar reflective finish for the built-up waterproofing system.

Properties

	Value	Tolerance
Nominal Roll Length	7.5 m	±100 mm
Nominal Roll Width	1 m	±10 mm
Nominal Roll Weight	37 kg	±2 kg
Nominal Thickness	4.0 mm	±0.4 mm
Mineral Colour Availability	Blue-grey; Green; Brown; Charcoal; White ^(Δ)	

(Δ) subject to minimum order quantity

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 Tecnatorch SBS Mineral may be expected to last 20 years.

Compatibility

Tecnatorch SBS Mineral capsheets 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 Tecnatorch SBS Mineral 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

Tecnatorch SBS Mineral capsheets 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 5 mm bead of bitumen is extruded from all laps. Side laps must follow the manufactured mineral free selvedge with end laps a minimum of 150 mm. The cap sheet should be offset 300 mm from the underlay to avoid side build up. End laps should also be offset.

Typical Specification

The capsheet to be Tecnatorch SBS Mineral capsheet, 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

Tecnatorch SBS Mineral capsheet is specified using the following:

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

Capsheet: Icopal Tecnatorch SBS 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

Tecnatorch SBS is manufactured under a Quality Management System approved to *ISO 9001: 2000* and an Environmental Management System approved to *ISO 14001: 2004*, by BSI Quality Assurance.



QMS: Q5556



EMS 535978

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 Tecnatorch SBS Mineral capsheet is freely available from our Technical Department at the address below.

Availability

Item Code	Description
2002704	Tecnatorch SBS Blue-Grey
2002705	Tecnatorch SBS Green
2002706	Tecnatorch SBS White (<i>*min order only</i>)
2002707	Tecnatorch SBS Brown
2002708	Tecnatorch SBS Charcoal