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Icopal Universal[®] SA

Single Layer Roof Waterproofing Systems



Introduction

Every specifier wants to specify a reliable, long lasting roof - with Icopal Universal[®] you can satisfy both these requirements, and more. Ideal for flat or pitched roofs, Icopal Universal delivers strength, flexibility and durability, and - after a lifetime of up to 30 years - it can also be recycled, greatly improving a building's sustainability.

Standard

Icopal Universal membranes have been independently site and laboratory tested by the British Board of Agrément, and awarded BBA certificate number 17/5437.



Description

Icopal Universal[®] SA is a thermally activated single ply waterproofing membrane. Icopal Universal[®] SA has a complex polyester/glass reinforcement impregnated and coated with a POCB (polyolefin copolymerisate binder) compound. The upper surface is finished with a polypropylene fleece. The lower surface coated with specially formulated thermally-activated self-adhesive bitumen finished with a pull-off release sheet.

Intended Use

Icopal Universal[®] SA is intended for use as the detailing sheet in conjunction with Icopal Universal membranes in adhered, mechanically fastened or ballasted roof situations.

Properties

	Value
Roll Size	10.0 m x 1.0 m
Roll Weight	35 kg
Membrane Thickness	3.1 mm
Membrane Colour	Black

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 -25 °C to 90 °C without damage.

Durability

Icopal Universal[®] SA is resistant to weathering, chemical oxidation and UV degradation. Icopal Universal[®] SA membranes have a life expectancy in excess of 20 years, demonstrating superior durability and system service life performance.

Compatibility

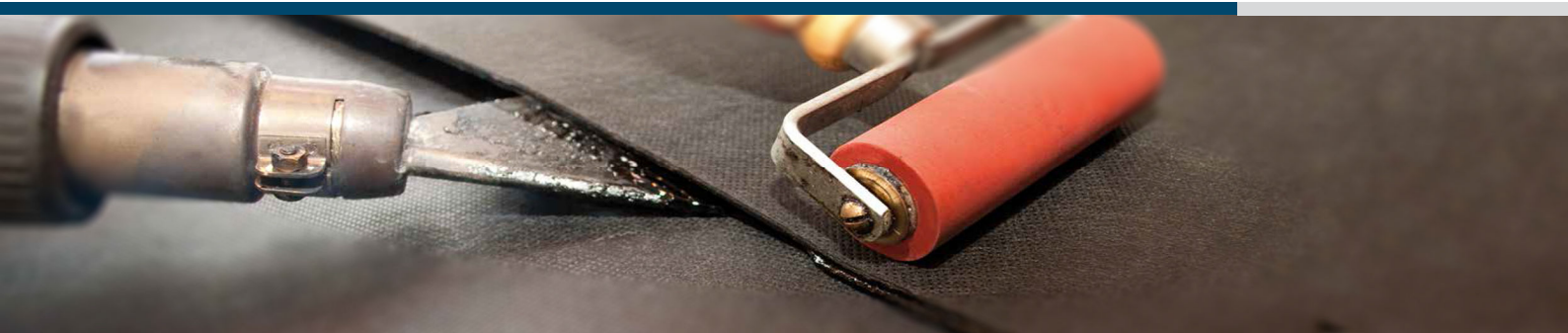
Icopal Universal[®] SA is compatible with most building materials with which it is likely to come in to contact with during roofing works.

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



EN 13707 06 0620-CPR-74170

Ref: ICO2195



Surface Preparation

All surfaces must be clean, free from dust, oil, grease and any other contaminants that be detrimental to the performance of the membrane. All sharp projections must be removed, and any fixings well driven to avoid damage to the waterproofing membrane.

Surfaces such as timber, masonry or concrete should be first primed with Icopal S.A. Primer, and left to dry prior to application of the membrane.

Membrane Application

Following installation of the Icopal Universal® field sheet, form all details as separate items using Icopal Universal® SA thermally-activated self-adhesive membrane using flame-free hot-air equipment. Side laps to be minimum 80 mm and all overlaps onto the field area to be a minimum 150 mm and to extend past any fixings by a minimum 80 mm. All details to be formed in accordance with current codes of practice and Icopal instructions. Ensure a continuous 5mm bead of bitumen extrudes from all laps and check all overlaps for security as work proceeds.

At all upstands, the detail sheet should be installed so that continuity of the waterproofing system is maintained for a vertical height of not less than 150 mm above finished roof level, in accordance with BS 6229.

Upstands greater than 225 mm high should be regarded as vertical work, and it will be necessary to mechanically fasten the membrane at the top edge. Head laps should be nailed, with large-headed galvanized clout nails, or screwed with appropriate washer plate and screw fastener.

For full application details refer to *Icopal Universal® User Guide and Installation Booklet*.

Refer to Icopal Technical Services Department for further information.

Quality Assurance

Icopal Universal® SA is supplied under a Quality Management System approved to *ISO 9001:2008* by BSI Quality Assurance.



QMS: Q5556

NBS Specification

Icopal Universal® SA is specified using the following:

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

Underlay: Icopal Universal SA Detail Sheet.

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



Delivery and Storage

The rolls are delivered on pallets covered with a shrink wrap bag. The product must be transported and stored on end. If rolls are removed from the original pallet store on end, upright on a firm flat surface dry and out of direct exposure to the elements. Protect from mechanical damage and heat sources.

Do not store with rolls laid flat.

If original packaging is removed, cover must be provided if product is to be stored outside. Storage temperatures must be between 0 °C and 40 °C. Stacking up to two pallets high is only permitted if the lower pallet rolls are reeled on a cardboard core. Plywood spacer boards must be placed between pallets.

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

Icopal is not responsible for damage when the above instructions are not followed.

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 Icopal Universal® is freely available from our Technical Department at the address below.

Availability

Item Code	Description	Roll Length
3007124	Icopal Universal SA	10 m x 1 m

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.