

BAUDER 50 YEAR BITUMEN ROOF SYSTEM

NEW PREMIER BITUMEN WATERPROOFING FOR FLAT ROOFS OFFERS POTENTIAL LIFE SPAN OF FIFTY YEARS

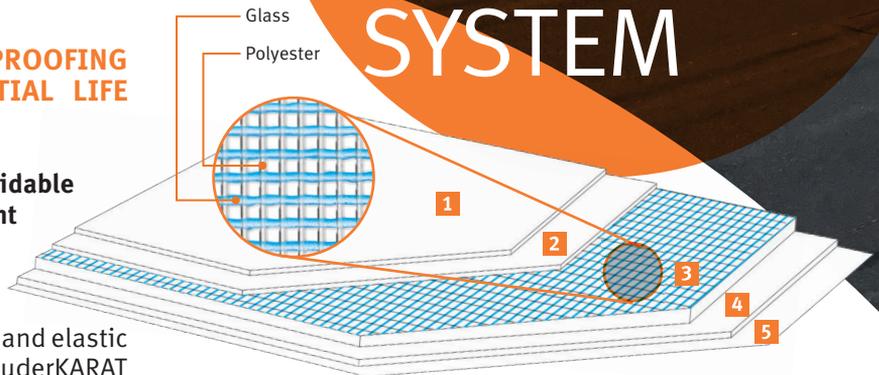
Bauder Total Roof System PLUS is the new formidable bitumen waterproofing system for refurbishment roof projects where the client requires high durability and a long life span.

The BTRS PLUS system incorporates both rubber and elastic properties in the dual-modified 5.2mm thick BauderKARAT cap sheet that bonds with the SBS modified 3.5mm thick KSA DUO 35 underlayer so that together, the pair of membranes offer superior durability, extended service life and exceptional waterproofing.

Key Benefits

- Heavy duty and extremely enduring system with 300g/m² polyester-glass composite reinforcement.
- Fire classification B_{ROOF} (t4).
- Torch-free detailing for safe installation near combustible construction materials.
- Patented DUO membranes to give fast, safe and secure installations.
- Outstanding guarantee package.

This new system gives surveyors the opportunity to offer clients peace of mind by delivering a system with a comprehensive guarantee and potential longevity in excess of fifty years from the leading flat roof specialist, Bauder.



- 1: Refined slate granules embedded for a UV protective mineral finish
- 2: APP modified bitumen delivers weathering durability
- 3: 300g/m² composite polyester-glass reinforcement carrier
- 4: SBS modified bitumen maximises flexibility and cold bending properties
- 5: Thermofusible polyethylene film

Cap Sheet Membrane Technology

The atactic polypropylene (APP) plastomer modified bitumen has rubber-like properties with a high temperature tolerance and is used in the topmost bitumen coating of the cap sheet with slate granules embedded to increase resistance to UV radiation and weathering contributing to an extended service life.

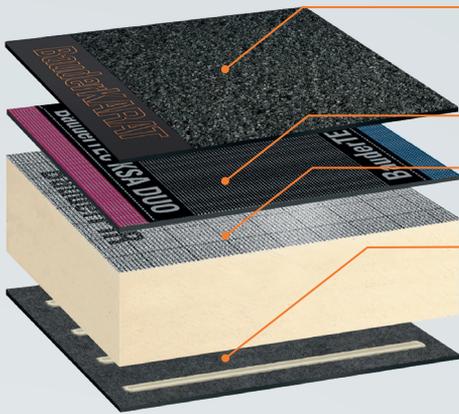
The styrene-butadiene-styrene (SBS) modified elastomeric bitumen in the base of the cap sheet has high viscosity and elasticity and softens with less heat, meaning that application speed is increased and bonding of the membrane to the underlayer is easier. The SBS gives the cap sheet flexibility to withstand admissible movement of the building through expansion and contraction, climatic ranges of +150°C to -40°C to eliminate splitting over time.

The 300g polyester-glass composite reinforcement carrier adds extreme strength and stability in a lightweight layer.

Book an introduction to BTRS PLUS with your area technical manager by calling Alex Body on 0845 271 8800

INSULATION OPTIONS

BauderPIR Insulation



BauderKARAT

5.2mm thick dual modified APP/SBS bitumen cap sheet with 300g/m² polyester-glass composite reinforcement. Charcoal grey slate granule surface finish.

BauderTEC KSA DUO 35

3.5mm SBS modified self-adhesive bitumen underlayer.

BauderPIR FA-TE Flatboard or FA Tapered Insulation to create falls on the roof

Foil-faced rigid PIR boards for warm roof construction.

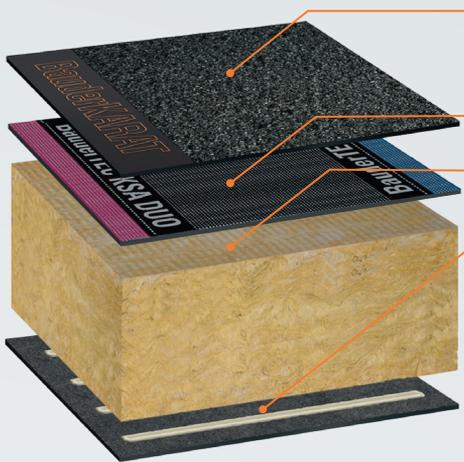
BauderTEC KSD Mica

2.5mm SBS self-adhesive air and vapour control layer with a mica finish installed to the deck which is prepared using Bauder Multi-Purpose Primer.

Build up height: 133.2mm

Build up weight: 16.1Kg/m²

BauderROCK



BauderKARAT

5.2mm thick dual modified APP/SBS bitumen cap sheet with 300g/m² polyester-glass composite reinforcement. Charcoal Grey slate granule surface finish.

BauderTEC KSA DUO 35

3.5mm SBS modified self-adhesive bitumen underlayer.

BauderROCK mineral fibre flat board or tapered insulation

Ideal for projects that are required to achieve a high level of sound reduction and fire performance.

BauderTEC KSD Mica

2.5mm SBS self-adhesive air and vapour control layer with a mica finish installed to the deck which is prepared using Bauder Multi-Purpose Primer.

Build up height: 211.2mm

Build up weight: 44.5Kg/m²



Product in Practice

BTRS PLUS was installed on Lillington Library at the start of 2019. The specifier originally selected Bauder Total Roof System for the project but upgraded to BTRS PLUS when presented with the technical performance data.

‘The BTRS PLUS system offers an enhanced durability which makes it an ideal choice in a refurbishment situation when the client is looking for long life span. The dual modification of the BauderKARAT cap sheet utilises advantages of both elastic and rubber properties making it tough, tensile and easier to install, a win-win for specifiers and installers alike. We anticipate seeing more and more specifiers opt for this premium bitumen waterproofing.’

Nigel Blacklock, technical director at Bauder

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FLAT ROOF SOLUTIONS

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