

Contractor UPDATE

June 2022
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Introducing our new green roof system offer

Bauder Total Green Roof System PLUS (BTGRS PLUS)

As part of our continuous research and product development, we are introducing a premier bituminous green roof system offer – BTGRS PLUS which compliments our BTRS PLUS system offer.

BTGRS PLUS incorporates a root resistant capping sheet encompassing both APP and SBS polymer bitumen modification to create BauderSMARAGD capping sheet. The system also incorporates the KSA DUO 35 SBS modified self-adhesive underlay, which when combined with the BauderSMARAGD cap sheet provides a formidable waterproofing solution, which in our opinion, offers exceptional durability and system longevity.

The System Products

The robust BauderSMARAGD root resistant capsheet has been developed to offer enhanced performance and service life.

The process for applying the mineral granules used for BauderSMARAGD surface protection offers a particularly smooth and superior finish.

APP modified bitumen is used for the upper coating which offers increased resistance to ultraviolet radiation together with improved weathering that contributes to longer service life. The reinforcement is a 300g polyester-glass composite offering extreme strength and stability.

The underside coating is Bauder's proven SBS modified elastomeric bitumen which provides outstanding flexibility to cope with climatic extremes.

The thermo-diffusible polyethylene film to the underside of the membrane dissipates quickly with heat during installation.

Due to our special coating formulation, BauderSMARAGD is estimated to be more than 10% quicker to apply than our current PLANT E root resistant cap sheet.

Additionally, the KSA Duo 35 is the underlay of choice in BTGRS PLUS. This self-adhesive membrane provides even more durability due to the increased thickness of the product.

The system can be installed with a choice of Bauder uniform thickness and tapered insulation boards and Air & Vapour Control Layers.

When to specify

BTGRS PLUS is designed for use in both refurbishment and new build projects particularly when there is a requirement for an extended guarantee period on the project.

Key features

- Heavy duty and extremely enduring system.
- Fire classification - When protected by an inorganic covering (e.g. gravel or paving slabs) listed in the Annex of Commission Decision 2000/553/EC, the systems are considered to achieve a B_{ROOF}(t4) classification and so are unrestricted by the National Building Regulations. In the opinion of the BBA, a roof incorporating the systems will be unrestricted under the National Building Regulations in the following circumstances:
 - a roof garden covered with a drainage layer of gravel 100 mm thick
 - a soil layer 300 mm thick
 - irrigated roof gardens
 - green roofs
- APP/SBS dual modified bitumen 5.2mm capsheet.
- Softer bitumen SBS underside which aids speed of installation by circa 10%.
- 300g/m² polyester-glass composite reinforcement for exceptional tensile strength.
- FLL certified for root-resistance.
- Torch-free detailing on or adjacent to combustible construction materials using Bauder KSO-P SN self-adhesive cap sheet membrane when used with non-substrate based landscaping finishes.
- A standard BauderPIR warm roof system is capable of withstanding permanently sited loads of up to 2000Kg/m².
- System incorporates patented DUO membranes to minimise the use of flame. Our patented 'DUO' range of products were developed to make installation faster, safer, simpler and more secure.
- 25 year guarantee that can be extended to 30 years.

Further information

Supply & Lead Times

The availability of the new products will be from w/c 6th June 2022.

The SMARAGD capping sheet will initially be a non-stock item and will have a minimum lead period of 10 working days for delivery.

Pricing

SMARAGD be included on the next Bitumen price list update.

List price - SMARAGD £36.01/m²

Specifications

Specifications using the BTGRS PLUS system will start to appear over the next few weeks.

Installation guidelines will also be within the project specific specification.

Product Data Sheet

Data sheet for the new product is attached to this update.

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