

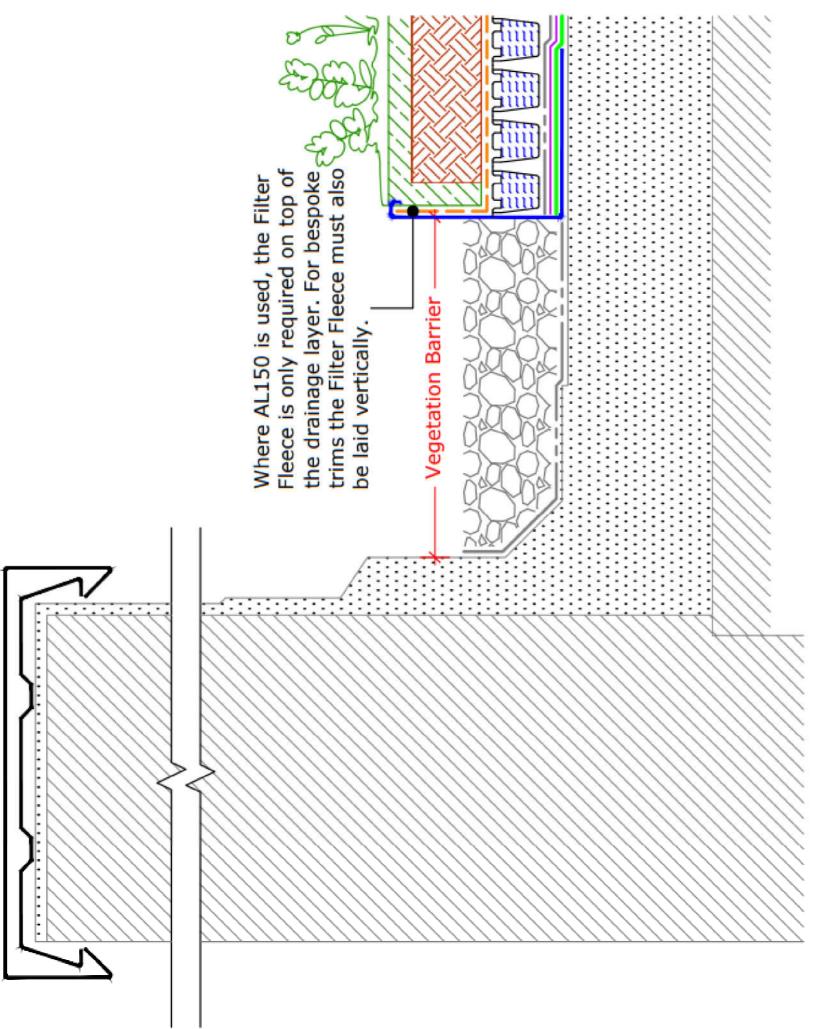
GREEN ROOF CONFIGURATIONS (

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Here are some green roof component build ups that are typically specified for different green roof scenarios.

Configuration 4	Drainage only for soft landscaping		Filter Fleece	Drainage Board	FSM 1100	PE Foil	Seeded roof		Filter Fleece	DSE 40	Eco Mat	PE Foil	
Configuration 3	Sloped roofs soft landscaping		Filter Fleece	Reservoir Board	FSM 1100	PE Foil	Biodiverse		Filter Fleece	DSE 20	FSM 600	PE Foil	
Configuration 2	Flat roofs soft &/or hard landscaping		Filter Fleece	DSE 60	FSM 1100	PE Foil	Plug planted or wildflower blanket		Filter Fleece	DSE 40	FSM 600	PE Foil	Emmuni
Configuration 1	Flat roofs soft &/or hard landscaping		Filter Fleece	DSE 40	FSM 1100	PE Foil	XF301 sedum blanket system	XF301 System		SDF Mat	Not required	Not required	~
	Intensive Green Roofs	Substrate and Vegetation	Filter Layer	Water Storage / Drainage Layer	Protection Layer	Separation Layer	Extensive Green Roofs	Substrate and Vegetation	Filter Layer	Water Storage / Drainage Layer	Protection Layer	Separation Layer	

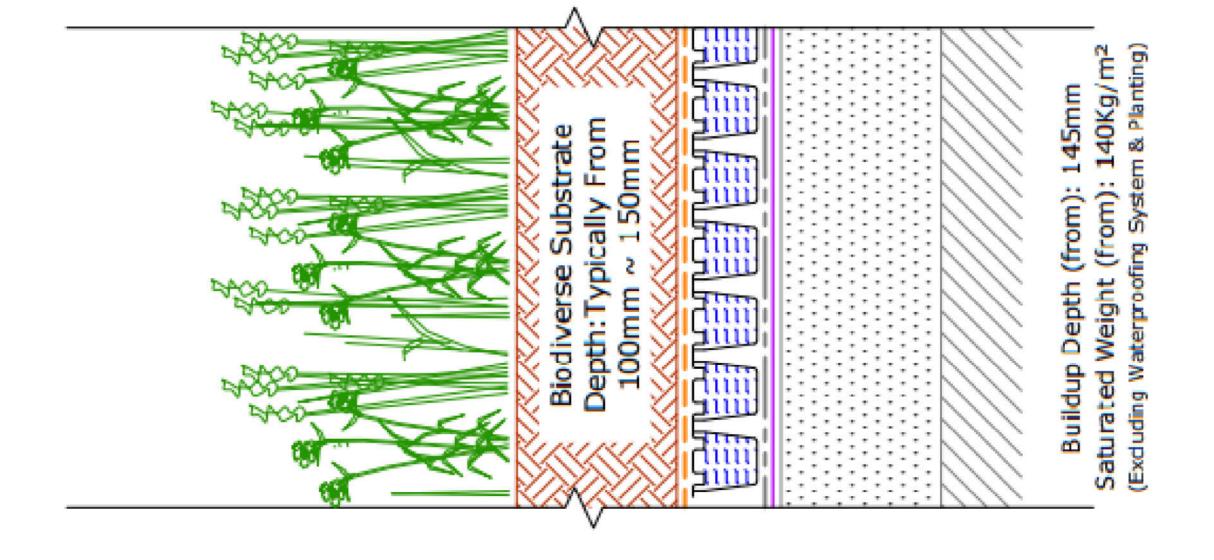
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Upstand to Parapet

(Drg.No: D0901/03-00W_0-4Deg_203-ExtInt-S-DB_001)

XF118 UK Native Species Wildflower Vegetation Blanket or Wildflower Plug/Seed Mix Planting (DSE40 Drainage Layer)





TECHNICAL DATA SHEET

Date: 06-03-12

UK Native Species Wildflower Blanket Bauder Xero Flor XF118

DESCRIPTION

mat Bauder Xero Flor XF118 is a UK native products developed for use in green roof polypropylene mesh substrate retention layer bonded to species wildflower blanket that is unique a moisture permeable base carrier sheet. vegetation σ bio-diverse nses amongst systems,

This ensures that the blanket substrate and helps optimum .⊑ doesn't compact over time vegetation the condition. maintain

and The vegetation within this product is a alpines of hardy wild flowers, Ж

herbs, all of which are considered native to the United Kingdom.



This is for practical and safety reasons associated with the annual The blanket should not be used on slopes in Substrate, Bauder Extensive maintenance and the cutting back and removal of dead vegetation. ç O is intended for application directly which provides the main growing medium. of 15°. XF118 Bauder

TECHNICAL DATA

Composition

Aggregate, expanded clay shale Compost Organic component Mineral component

Technical Performance

Vegetation support layer pH value resistant

Geo-textile carrier filter layer with bonded UV

nylon loops

6.5 – 7

Weights and sizes

ca. 42kg/m² (use for weight load calculation) ca. 25mm (excluding vegetation) 1 2 3 3 Max. Saturated weight Standard roll length Standard roll width **Fhickness:**

Supply Form

Fransport weight

2m x 1m Rolls

ca.30kg/m² (wet weight / mown vegetation)

15° Maximum slope

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ORDERING AND DELIVERY INFORMATION

- The XF118 Wildflower Blanket has been developed to meet the needs of both established. Should the visual appearance of the blanket be a key priority, then and as such the provision of an irrigation system and a more 'labour intensive' maintenance Please consult Bauder Technical Services for more BREEAM and Sustainable Homes Code biodiversity roof installations, and as is intended to persist and naturalise with only minimal maintenance once information if this option is being considered. be required. program will
- Deliveries of the Bauder XF118 Wildflower Blanket are made from Tuesday to
- In exceptional weather we are unable to harvest the product for delivery until conditions improve. We are only able to advise the day before delivery if such problem occurs.
- Order no more blanket to be delivered to site than can be installed within hours of delivery.
- Should the blanket be considered below standard or defective, it is imperative that the Bauder Sales Office is informed on the day of delivery and photographs provided highlighting the issues of concern.
- the product should be rolled out on a flat, level surface, lightly watered and left out overnight before re-rolling for lifting to roof level early the following morning. If, for any reason, it is not possible to install the blanket on the day of delivery,

INSTALLATION INSTRUCTIONS

- minimum depth of no less than 100mm and water to the point of saturation. If Prepare the substrate to either a level surface or a gentle undulation with large areas are to be installed then watering and installation should be done sections of as much area as can be completed within four hours.
- important to ensure that the roll widths and lengths to the roof perimeter are at least 1m in each direction. Any cut widths or lengths required are to be made in Mark out on the substrate the length and width of rolls to be installed. It is the field area.
- Working from the bottom of the roof and taking care not to stand on the vegetated surface, unroll the blanket and press down firmly onto the substrate. If are apparent under the blanket then it is to be lifted up, the void filled with substrate and the blanket re-bedded. any voids
- ensure slope with the next roll, taking care to junction between the two rolls is tightly butted. on up the Continue



- In order to keep all joints correctly spaced and well-made it is recommended that no more than three rolls should be installed before adjacent rolls are added to the installation.
- Commence the next row of blankets with a ½ roll of blanket, to staggered 'brick-bond' laying pattern with the row previously installed.
- Upon completion of the area, any surplus substrate is to be used to dress into and to 'make good' joints where the blanket edges are not tightly butted. A small amount of substrate is supplied with each blanket delivery for this purpose.
- straight edge. It is generally easier to cut up through the carrier on the underside At abutments and penetrations the blanket may be cut using a sharp knife and of the blanket than to cut through the vegetation and substrate into the carrier.
- blanket is to be dressed vertically down the incline of the substrate where it wind uplift. It is important that the leading edge is properly ballasted to prevent before the blanket has become rooted into the underlying growing medium. The wind lifting the blanket, especially in the period immediately following installation, terminates and backfilled by the vegetation barrier to a minimum depth The vegetation barrier should be a minimum width of 500 mm at The vegetation barrier functions to secure the exposed blanket edges perimeters and penetrations (refer Bauder landscape specification). 100mm.
- Upon the completion of an area installed over a maximum four hour period, the installation is to be heavily watered to ensure that both the blanket and substrate are saturated before moving on to the next area.
- Upon completion of the installation apply Bauder Organic Fertilizer (slow release) at a rate of 80g/m2 and water in.
- nodn unnecessarily or otherwise trafficked by other trades during and after the installation, as this will have an adverse effect on the vegetation. Bauder Ltd or stood cannot accept responsibility for vegetation damaged by following trades. blanket being walked the to avoid Care must be taken unnecessarily

ESTABLISHMENT WATERING AND MAINTENANCE

- After completion of the installation it will be necessary to keep the substrate and blanket damp for a minimum period of 10 weeks using temporary surface mounted sprinklers, or alternatively the permanent irrigation system should one Watering should be proactively carried out during this period as required, but only if the substrate/ blanket begin to dry out. be installed.
- substrate does not become totally saturated by either excessive watering through periods of cool, wet weather. Further information on watering requirements for this product is available to view or download from the Bauder web site Please do not over-water! It is equally important to ensure that the green roof and our Technical Centre visit in and Log www.bauder.co.uk.

UNITED KINGDOM

Bauder Ltd



Bioand **Extensive** for **Guidelines** Requirement diverse Green Roof installations "Watering document

- To encourage the plants to survive without too much irrigation and to harden them off in readiness to survive winter, it is important to start cutting back on watering from early September.
- The maintenance requirement in the following years will depend upon the weather experienced through the winter and early spring of each year and should follow our standard biodiversity green roof maintenance guidelines.

SUPPORT

- Modern extensive and bio-diverse green roof installations will normally require only minimal maintenance. Bauder is happy to offer advice on any issues concerning your green roof and enquiries should be forwarded to our Green Roof Technical Department at the address below.
- We believe our products and systems are of the highest standard and are always prepared to discuss any queries or concerns that may arise. Providing photographs or drawings to accompany your queries will help speed our response. •

Please note: In the event of any query arising which it is thought may affect the condition of the system, then Bauder Ltd should be contacted at the address below. We cannot accept responsibility for any problem or failure due to use outside those parameters for which the system was designed or 'acts of god' beyond our control e.g. extreme weather conditions or damage through pests.



TECHNICAL DATA SHEET

Date: 10-04-2010

Bauder DSE40 Drainage and Protection Layer

DESCRIPTION:

Water storage and multi-directional drainage layer that provides a pressure resistant stable base for high loads or support for roof mounted equipment without compression to the drainage capacity.

TECHNICAL DATA

Composition

Recycled High Density Polyethylene Material

Weights and sizes

Size: 1.04m x 2.03m

Thickness: 40mm

Coverage: 2.1m²

Weight: 1.8kg/m²

Saturated Weight: 15.3kg water only/27kg infilled with mineral drain Water Storage Capacity: 13.5l/m² empty/8.4l/m² infilled with mineral drain Fill Volume (Mineral Drain): 21l/m²

80kN/m² when empty/≥ 1000kN/m² when infilled Compressive Strength:



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