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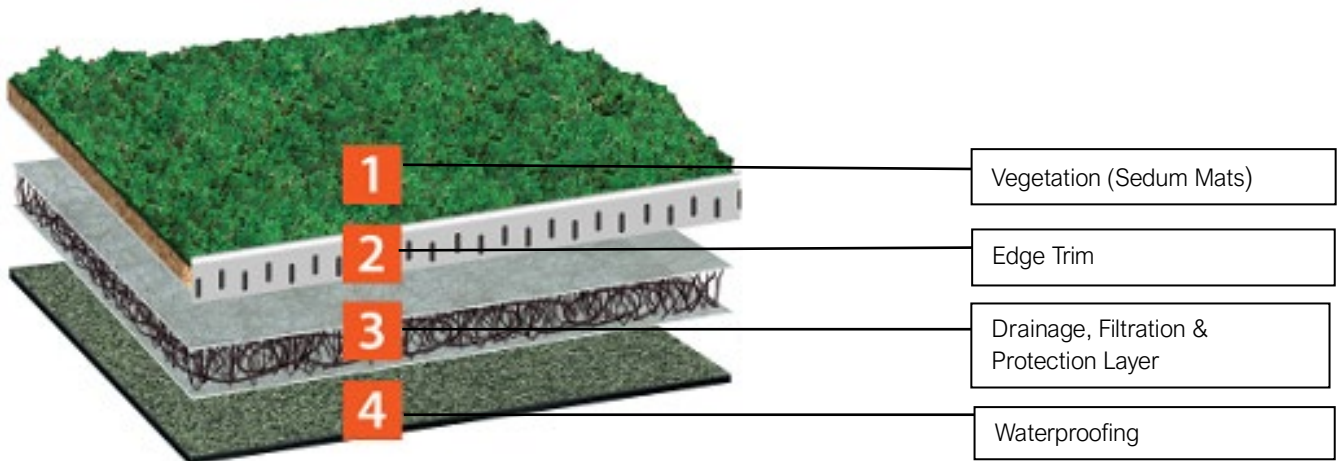
GREEN ROOF SPECIFICATION – 18 CLAREMONT ROAD, LONDON, NW2 1BP

The proposed design will include a green roof which will encourage biodiversity. The plants used will be perennial or self-seeding biennial planting, native or common to UK.

Extensive Green Roof

An extensive green roof using sedum mats will be used. Extensive green roofs are usually vegetated with low-growing, drought-tolerant vegetation such as stonecrops (Sedum species) and dry meadow vegetation.

11 species of sedum are grown in the blanket to ensure plant diversity. Sedum absorbs water and is drought and wind tolerant.



1) The Vegetation - BauderGREEN XF 301 sedum system

The BauderGREEN XF 301 sedum system has been designed to be a lightweight, single layer, green roof product. It enables green roofs to be installed on structures with very low weight loadings. Typically, the product is installed with BauderGREEN SDF mat to give adequate drainage.

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE		
Characteristic	Unit	Value
Maximum saturated weight	kg/m ²	≤44
Thickness	mm	28 system only / 34-44 inc. vegetation.
Sedum and saxifrage species	no.s 14+	The species mix is adjusted from time to time and will typically contain 14 - 17 species. Please contact Bauder technical department for further information.
pH level	pH	6.5 - 7
Typical supply size	m	1 x 2
Long rolls (for use with crane attachment)	m	5 to 10
Material		Substrate and sedum plants, embedded in a nylon mesh, with a moisture retention fleece.

2) Edge Trim - BauderGREEN AL 40 Edge Trim

Bauder's range of aluminum edge and drainage trims retain the vegetation on an extensive green roof. They are designed for use with BauderGREEN XF 301 and other BauderGREEN substrate-based systems. Perforated edge/drainage trims used to frame and retain the green roof build up. The trims allow the free movement of rainwater to aid drainage. AL 40 is specifically designed to be used with BauderGREEN XF301 sedum blanket on flat and pitched roofs.

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE: BauderGREEN AL 40		
Characteristic	Unit	Value
Material thickness	mm	1.5 Aluminium
Trim height	mm	40
Dimensions	mm	70 x 40 x 2,000
Weight	kg	2.5
Corner Sections		Yes (external corner only)
Joint Sections		Yes (supplied with product)
Supply Form	no	Boxes of 10 x 2m lengths + 10 joints

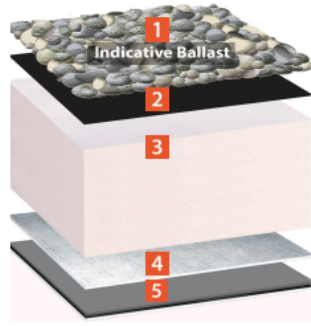
3) Drainage, Filtration & Protection Layer - BauderGREEN SDF Drainage and Protection Mat

This lightweight, multi-directional drainage layer is Laid on to the completed waterproofing to provide drainage, protection, and a filtration layer for lightweight, extensive, green roofs.

PRODUCT INFORMATION AND TECHNICAL PERFORMANCE			
Characteristic	Test method	Unit	Value
Weight (dry)	EN 1848-1	kg/m ²	0.6
Weight (saturated)		kg/m ²	1
Water Storage		ltr	0
Depth		mm	20
Size (supplied in rolls)		m	1 x 50
Coverage		m ²	50

4) Waterproofing - Bauder Single Ply Thermofol System

Single layer sheet inverted roof covering system - Loose laid fleece-backed PVC membrane & inverted EPS insulation with a ballast surface. The loose ballasted, inverted, single ply waterproofing roof system is suitable for new build, refurbishment, and extensive green roof applications, and is used primarily on concrete decks.



Product	Description	thickness	weight
1 Ballast or vegetation	Installed to achieve a permanent minimum load of 80kg/m ² to anchor the insulation in high winds / heavy rainfall.	Project specific	Project specific
2 JFRI WFRL	Vapour permeable polypropylene spun boned membrane	0.45mm	0.1kg/m ²
3 JFRI PREMIUM +	High performance rigid expanded polystyrene insulation; lightweight, high compressive strength;	185mm	5.55kg/m ²
4 BauderSYN GV 120 Isolation Fleece	Lightweight protection fleece to provide isolation between the insulation and the PVC membrane.	0.75mm	0.12kg/m ²
5 Bauder-THERMOFOL U15 V FR membrane	Loose laid 1.5mm PVC membrane with 2mm laminated fleece; pre-coated cross weave polyester reinforcement for high levels of tear resistance.	3.5mm	2.0kg/m ²
Waterproofing System Build up (excludes ballast)		189.7mm	7.77kg/m²