

## 1. PRODUCT DATASHEET

Single layer, lig

### Intended Use

Bauder XF301 Single Layer Sedum System is an ultra-light weight sedum system. The product can be laid directly onto the waterproofing without the need for a growing medium. XF301 also contains a moisture mat which retains up to 5 Ltr of water/m<sup>2</sup>. The vegetation is a mix of in excess of 14 sedum varieties.



PRODUCT INFORMATION AND TECHNICAL PERFORMANCE		
Characteristic	Unit	XF300 Sedum Blanket
Maximum Saturated Weight	Kg/m <sup>2</sup>	≤44
Thickness	mm	34 - 44
Sedum and Saxifrage Species	Nos	14 - 17 species
pH Value		6.5 - 7
Typical Supply Size	m	1 x 2
Sedum Species	14+	The species mix is adjusted from time to time. Please contact Bauder Technical for further information
Long Rolls (for use with crane attachment)	m	5 to 10m
Material		Substrate and sedum plants, embedded in a nylon mesh, with a moisture retention fleece

CERTIFICATION AND ENVIRONMENTAL INFORMATION	
International Standards Organisation (ISO)	ISO 9001:2015 Quality Management Certificates EN1271 (UK) and 70499/03-15_e (Germany).  ISO 14001:2015 Environmental Management Certificates A10552 (UK) and 70499/03-15_d (Germany).  ISO 50001: 2011 Energy Management Certificate 70499/03-15_c
BS 476 Part 3: 2004	Ext. F. AA Ext. S. AA
Recycled content	≥ 80% recycled material

INSTALLATION GUIDANCE
Normally installed directly onto the waterproofing or on flat roofs onto SDF mat. Care should be taken not to traffic the sedum. XF301 should be laid by skilled operative. See Bauder's Green Roof Installation Guide for full details.

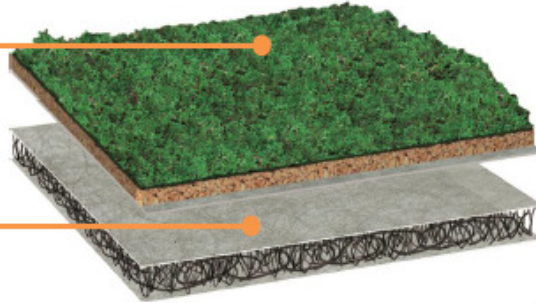
## 2. TECHNICAL SUMMARY

### Bauder XF301 Sedum Blanket

is a pre-cultivated vegetation blanket on a patented nylon loop and geo-textile base carrier with special substrate and a pre-attached integral 8mm moisture retention fleece.

### Bauder SDF Mat

is a multifunctional drainage, filtration and protection layer manufactured from ultraviolet resistant nylon woven loops which are thermally bonded to geo-textile filter fleece facings.



## Weight Loading Based on 1-2° pitch



Product	Thickness (mm)	Saturated Weight (Kg/m <sup>2</sup> )
Bauder XF301 Sedum Blanket	28.0	44.0
Bauder SDF Mat	20.0	0.2
<b>Totals</b>	<b>48.0</b>	<b>44.2</b>

## 3. SEDUM BLANKET INDICATIVE PLANT LIST

### Species

Sedum blanket varieties

Sedum acre

Sedum album – 'bella d' Inverno

Sedum album – coral carpet

Sedum ewersie

Sedum Kamtschaticum – ellacombianum

Sedum Kamtschaticum – weinstephaner gold

Sedum montanum orientale

Sedum pulchellum

Sedum rupestri (reflexum)

Sedum sexangulare

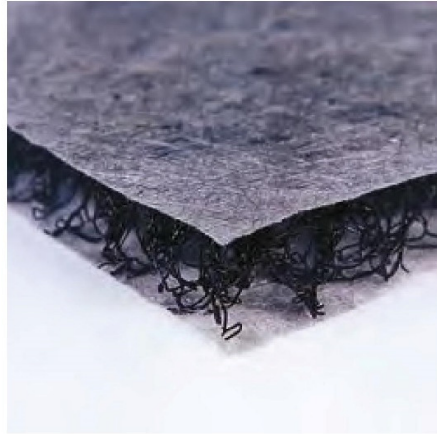
Sedum spurium – mesemlanthemum = Delosferma

Sedum spurium – mesemlanthemum = hallii

Sedum verticillatam

## 4. WATER STORAGE AND DRAINAGE AND SUBSTRATE SPECIFICATIONS

### SDF Mat for extensive green roof finishes



SDF Mat is a multifunctional drainage/filtration layer which also provides protection to the waterproofing system. The product is manufactured from ultraviolet resistant nylon woven loops which are thermally bonded to geo-textile filter fleece facings.

On larger projects with modest falls and where maintenance only foot traffic is anticipated, the SDF Mat offers a very cost-effective solution for lightweight extensive green roof construction.

#### Application

Our lightest drainage layer, SDF mat has no water storage capacity and therefore has a saturated weight of only 0.6Kg/m<sup>2</sup>. It is primarily designed to lift Bauder's XF301 sedum system out of any standing water.

Material	Geo-textile facings with UV resistant woven nylon loops
Roll size	1m x 50m
Coverage	50m <sup>2</sup>
Thickness	20mm
Weight	ca. 600g/m <sup>2</sup>
Pressure resistance	ca. 20kN/m <sup>2</sup>



### DSE20 for intensive and extensive green roof finishes



DSE20 is manufactured from recycled high density polyethylene (HDPE) where the cupped profile provides water storage whilst allowing the water to drain through the channels to the underside. It is primarily used to provide continuous drainage within landscaping situations where the loading is moderate.

#### Application

DSE20 is a lightweight, low profile drainage layer giving excellent drainage and some water storage capacity for sedum green roof systems. Its lightweight, thin profile makes it highly effective on roofs with minimal ponding.

Material	Recycled HDPE
Board size	1.06m x 2.3m
Thickness	20mm
Weight	ca. 1.2kg/m <sup>2</sup>
Water storage capacity	ca. 7.4 litres/m <sup>2</sup>
Compressive strength	ca. 110kN/m <sup>2</sup>



#### Extensive Substrate

Lightweight growing medium for extensive green roofs with sedum based planting schemes. Manufactured to FLL and GRO guidelines and comprises recycled crushed brick, expanded clay shale and composted organic material. Extensive substrate weighs 1.2 tonnes per cubic metre.