

Technical Data Sheet

HYDROSOIL[®] BLANKETS AND PLUGS

Axter provides a variety of planting options for its living or green roof systems. This includes a range of pre-grown vegetation blankets and plug plants which can expedite the establishment period for both aesthetic and biodiversity benefits.

Hydrosoil Sedum Blanket

High quality sedum blanket grown in the UK, to provide the perfect low maintenance solution for extensive living roof systems using a carefully selected mix of sedum species. Sedum are the most commonly used plant species in living roofing due to their ability to grow in harsh weather environments.

Pre-cultivated UK grown vegetation blanket, containing 8-12 species specifically chosen for extensive living roof applications. Grown on 20mm substrate base on a carrier.



System considerations

- Instant vegetative cover for extensive sedum blanket systems.
- Recommended minimum substrate depth 60mm.
- Low maintenance, shallow rooted, non-invasive vegetation cover.
- Axter Ltd recommends annual maintenance of sedum roofs to remove unwanted invasive species and to ensure long term system functionality and sustainability. Refer to Axter's Living Roof Maintenance Guide.

Physical Properties	
Composition	Base - Geotextile fabric / coir blanket
	Growing medium – 20mm sedum mix
	Vegetation - Mature sedum plants grown from rhizome and seed
Plant Height	20-50mm, depending on growing stage of sedum
Weight (dry)	10kg/m ²
Weight (saturated)	30kg/m ²
Consignment Size	40m ² per Pallet (approx.)
Colour	Seasonal variation
Sizes	2m x 1m
Species	<ul style="list-style-type: none"> - Sedum Acre - Sedum Album - Sedum Ellacombianum - Sedum Floriferum - Sedum Hybridum - Sedum Middendorffianum - Sedum Montanum - Sedum Pulchellum - Sedum Reflexum - Sedum Selskianum - Sedum Sexangulare - Sedum Spurium

Hydrosoil Sedum Plugs

Pre-cultivated propagated plugs, planted directly into the substrate growing medium. These succulent plants are drought, wind and frost tolerant and will steadily colonise the roof area, providing an even vegetative cover over time. Plants are grown from UK provenance seed stock, all of which will adapt to Axter's Hydrosoil substrates. The broad spectrum available enables credits to be secured from BREEAM and Sustainable Home Codes under the 'Land Use and Ecology' section by improving the overall ecological values of the site.



System considerations

- Plugs are propagated and nurtured at a UK nursery which ensures plants are fully acclimatised for UK installation.
- Recommended minimum substrate 80-100mm planted at 20 per m².
- Sedum plug systems take up to 2 years to fully establish and cover the roof area.
- Axter recommends annual maintenance of sedum roofs to remove unwanted invasive species and to ensure long term system functionality and sustainability. Refer to Axter's Living Roof Maintenance Guide.

Technical Properties	
Material	Propagated and germinated in recycled crushed brick sedum substrate in a controlled environment ensuring stronger plant growth and development.
Recommended Substrate Depth	80-100mm
Unit Size	40 x 40 x 60mm
Plugs per tray	60
Consignment Size	40m ² per pallet (approx.)
Colour	Seasonal variation
Species	<ul style="list-style-type: none"> - Sedum Acre - Sedum Album - Sedum Ellacombianum - Sedum Floriferum - Sedum Hybridum - Sedum Middendorffianum - Sedum Montanum - Sedum Pulchellum - Sedum Reflexum - Sedum Selskianum - Sedum Sexangulare - Sedum Spurium

Hydrosoil Wildflower Blanket

Axter Ltd's UK provenance Hydrosoil Wildflower Blanket contains 38 native species (33 wildflower and 5 grasses) as a pre-grown vegetation cover for use on extensive and intensive living roofs, podiums and landscaping projects. Species have been carefully chosen to provide a long flowering season from spring through to late autumn. It has a varied range of colour and habitat which is attractive to pollinators and in aesthetic appearance. Axter's Hydrosoil Wildflower Blanket can be used to meet local and national Biodiversity Action Plans and BREEAM energy credits. A pre-cultivated UK grown vegetation blanket, containing 38 species specifically chosen to encourage biodiversity on extensive, intensive and podium roof applications. Grown on 20mm substrate base on a carrier membrane.



System considerations

- Instant vegetative cover for wildflower systems.
- Recommended minimum substrate depth 100mm.
- Axter Ltd recommends bi-annual maintenance of wildflower roofs to remove unwanted invasive species and to ensure long term system functionality and sustainability.
- Spring remedial and autumn strimming.

Physical Properties	
Composition	Base - Geotextile fabric
	Growing Medium – 20mm Biodiversity Mix
	Vegetation - Plants grown from native provenance seed.
Total Height	150 mm plant height, pre delivered and mown. Fully established height up to c. 1000mm
Weight (dry)	10kg/m ²
Weight (saturated)	30kg/m ²
Consignment Size	30m ² per Pallet (approx.)
Colour	Seasonal variation
Sizes	2m x 1m
Species	Wildflowers: <ul style="list-style-type: none"> - Achillea Millefolium (Yarrow) - Agrimonia Eupatoria (Agrimony) - Anthyllis Vulneraria (Kidney Vetch) - Betonica Officinalis (Betony) - Campanula Glomerata (Clustered Bellflower) - Campanula Rotundifolia (Harebell) - Centaurea Nigra (Lesser Knapweed) - Echium Vulgare (Viper's Bugloss) - Galium Verum (Lady's Bedstraw) - Glebionis Segetum (Cornflower Corn Marigold) - Hypericum Perforatum (Perforate St John's Wort) - Hypochaeris Radicata (Catsear) - Knautia Arvensis (Field Scabious) - Leontodon Hispidus (Rough Hawkbit) - Leucanthemum Vulgare (Oxeye Daisy) - Linaria Vulgaris (Common Toadflax) - Lotus Corniculatus (Birdsfoot Trefoil) - Medicago Lupulina (Black Medic) - Origanum vulgare (Wild Marjoram) - Papaver Rhoeas (Common Poppy) - Plantago Media (Hoary Plantain) - Primula Veris (Cowslip) - Prunella Vulgaris (Selfheal) - Ranunculus Acris (Meadow Buttercup) - Rhinanthus Minor (Yellow Rattle) - Rumex Acetosa (Common Sorrel) - Sanguisorba Minor SSP. Minor (Salad Burnet) - Scabiosa columbaria (Small Scabious) - Silene Sioica (Red Campion), Silene Vulgaris (Bladder Campion) - Thymus (Thyme), Trifolium Pratense (Red Clover)
	Grasses: <ul style="list-style-type: none"> - Agrostis Capillaris (Brown Top Bent) - Anthoxanthum Odoratum (Sweet Vernal Grass) - Briza Media (Quaking Grass) - Cynosurus Cristatus (Crested Dogstail) - Festuca Rubra (Red Fescue)

Hydrosoil Wildflower Plugs

Pre-cultivated propagated plug-plants planted directly into the substrate. The biodiverse plug-plants are seeded and grown with a wide range of native wildflower species suited to the harsh living roof environment. Installed and maintained correctly, plants will colonise the roof area. Axter Ltd's Hydrosoil Wildflower Plugs are available as 34 native species for use on extensive and intensive living roofs, podiums and landscaping projects. The species have been chosen to provide a long flowering season from spring through to autumn. Axter Ltd's Hydrosoil Wildflower Plugs can be used to meet local and national biodiversity action plans and BREEAM ecology credits.



System considerations

- Plugs are propagated and nurtured at a UK nursery to ensure plants are fully acclimatised for UK installation.
- Recommended minimum substrate 100mm planted at 20 per m².
- Wildflower systems must be watered before and after planting and for at least 3 months following installation.
- Axter Ltd recommends bi-annual maintenance of wildflower roofs to remove unwanted invasive species and to ensure long term system functionality and sustainability. Refer to Axter's Living Roof Maintenance Guide.

Physical Properties	
Material	Propagated and germinated in recycled green waste and mineral blend growing medium in a controlled environment, ensuring stronger plant growth and development.
Recommended Substrate Depth	100mm
Unit Size	40 x 40 x 60mm
Plugs Per Tray	60
Species	<p>Wildflowers:</p> <ul style="list-style-type: none"> - Achillea Millefolium (Yarrow) - Agrimonia Eupatoria (Agrimony) - Anthyllis Vulneraria (Kidney Vetch) - Betonica Officinalis (Betony) - Campanula Glomerata (Clustered Bellflower) - Campanula Rotundifolia (Harebell) - Centaurea Nigra (Lesser Knapweed) - Echium Vulgare (Viper's Bugloss) - Galium Verum (Lady's Bedstraw) - Glebionis Segetum (Cornflower Corn Marigold) - Hypericum Perforatum (Perforate St John's Wort) - Hypochaeris Radicata (Catsear) - Knautia Arvensis (Field Scabious) - Leontodon Hispidus (Rough Hawkbit) - Leucanthemum Vulgare (Oxeye Daisy) - Linaria Vulgaris (Common Toadflax) - Lotus Corniculatus (Birdsfoot Trefoil) - Medicago Lupulina (Black Medic) - Origanum Vulgare (Wild Marjoram) - Papaver Rhoeas (Common Poppy) - Plantago Media (Hoary Plantain) - Primula Veris (Cowslip) - Prunella Vulgaris (Selfheal) - Ranunculus Acris (Meadow Buttercup) - Rhinanthus Minor (Yellow Rattle) - Rumex Acetosa (Common Sorrel) - Sanguisorba Minor SSP. Minor (Salad Burnet) - Scabiosa Columbaria (Small Scabious) - Silene Dioica (Red Champion) - Silene Vulgaris (Bladder Champion) - Thymus (Thyme) - Trifolium Pratense (Red Clover) <p>Grasses:</p> <ul style="list-style-type: none"> - Agrostis Capillaris (Brown Top Bent) - Anthoxanthum Odoratum (Sweet Vernal Grass) - Briza Media (Quaking Grass) - Cynosurus Cristatus (Crested Dogstail) - Festuca Rubra (Red Fescue)

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