

PLANTING SPECIFICATION

Amenity turf

Grass Areas	Seed Mix Name	Seed Mix Supplier	Density
Standard Turf	U & B Farnaby		1/m ²

Ground preparation:

Multipurpose topsoil to comply with BS 3882. Once the area is clear and free of weeds, ensure you have a minimum topsoil depth of 150mm which is levelled and raked to a fine tilth. Gently walk up and down the area to identify irregularities.

Dig over or rotovate the soil to loosen it up.

Remove any surface stone, clods, other debris and perennial weeds.

Once loosened the soil must be lightly compacted by walking over the whole area and then again at right angles to the first direction.

Break up any heavily compacted areas using a fork and fill any dips, lightly compacting.

Then rake the surface to a fine tilth and make sure that the surface is level.

Do not use any heavy equipment on the prepared soil, such as roller, as this will compact the soil too much.

Water the soil a couple of days before your turf arrives. Ensure the soil is moist to a depth of 75mm ready to provide water to the roots of the turf. This also helps the soil to settle and it will be raked level again just before the turf arrives.

Apply a pre-turfing fertiliser to the soil in accordance with manufacturer's instructions, incorporating it into the top 25mm of soil.

Laying the turf:

Turf to be certified to TGA Turf Quality Standards. Turf shall comply with BS 4428 Section 6. Turfing.

Lay the turf, using a straight edge, butting closely end to end.

On subsequent rows stagger the joints in brickwork fashion.

Lightly firm down the turves with the head of a rake or piece of wood to ensure good contact between the underside of the turf and the soil.

Any remaining cracks must be filled with a light soil and tamped down.

Trim the ends of the turf with a long knife, hand saw or cutting spade to shape around any trees, paths and beds.

Where the outer edges of the new turf are exposed, cover with a light soil to prevent them drying out. This can be removed after a few weeks, once the turf is more established.

Plants must be placed on your newly laid turf for walking along and working from to ensure the prepared soil remains level.

Never use a roller on freshly laid turf as this can cause compaction if used incorrectly.

Always push turf into a joint, never stretch the turves by pulling them.

Turf must not be allowed to dry out. In hot weather try to start watering areas laid first prior to completing the whole area, then continue to water regularly.

Mow at the highest setting (40-50mm+) as soon as the new turf has started to root and cannot be dislodged, which could even be within a week after laying, to encourage establishment.

Aftercare:

First season management:

Mow regularly removing no more than 1/3 of the grass blade length to maintain a sward height of 25-40mm. Alternate the direction of mowing. Keep regularly watered. Always water in the early morning or evening to minimise evaporation.

Management once established:

Mow and irrigate lawns regularly as required throughout the growing season (generally March - October). In the summer increase the mowing regime to twice a week unless the lawn is suffering drought in which case drop it back to once a week and increase the watering regime. Feed once a year.

Species rich grassland

Grass Areas	Seed Mix Name	Seed Mix Supplier	Density
EL1 Flowering Lawn	Emmorsgate Seeds		4/m ²

Ground preparation:

Break up subsoil to a depth of 300mm and remove any rubbish or material greater than 50mm in any dimension. Remove perennial weeds using repeated cultivation. Apply 50mm topsoil to comply with BS3882 : Low fertility'.

Sowing:

Seed is best sown in the autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture. The seed must be surface sown and can be applied by machine or broadcast by hand. To get an even distribution and avoid running out divide the seed into two or more parts and sow in overlapping sections. Do not incorporate or cover the seed but firm in with a roll, or by treading, to give good soil/seed contact.

Aftercare:

First year management:

Most sown meadow wildflower and grass species are perennial; they will be slow to germinate and grow and will not usually flower in their first growing season. There will often be a flush of annual weeds from the soil in the first growing season which may grow up and obscure the meadow seedlings beneath. This annual weed growth is easily controlled by topping or mowing. Mow newly sown meadows regularly throughout the first year of establishment to a height of 40-60mm, removing cuttings if dense. This will control annual weeds and help maintain balance between faster growing grasses and slower developing wildflowers. Carefully dig out or spot treat any residual perennial weeds such as docks.

Management once established:

In the second and subsequent years EM2 sowings can be managed in a number of ways which, in association with soil fertility, will determine the character of the grassland. The best results are usually obtained by traditional meadow management based around a main summer hay cut in combination with autumn and possibly spring mowing. Meadow grassland is not cut from spring through to late July/August to give the sown species an opportunity to flower. After flowering in July or August take a 'hay cut', cut back with a scythe, petrol strimmer to c 50mm. Leave the 'hay' to dry and shed seed for 1-7 days then remove from site. Mow the re-growth through to late autumn/winter to c 50mm and again in spring if needed.

Native scrub

Number of Plants	Species	Height	Pot Size	Specification	Density	Percentage Contribution
5	Acer campestre	60-80cm	BR	1+1 : groups of 3-8	1.5Cr	5%
5	Acer campestre	150-175cm	BR	1+1 : groups of 3-8	1.5Cr	5%
5	Cornus sanguinea	60-80cm	BR	1+1 : groups of 3-8	1.5Cr	10%
5	Corylus avellana	60-80cm	BR	1+1 : groups of 3-8	1.5Cr	15%
3	Crataegus monogyna	150-175cm	BR	1+1 : groups of 3-8	1.5Cr	10%
3	Crataegus monogyna	60-80cm	BR	1+1 : groups of 3-8	1.5Cr	5%
3	Euonymus europaeus	60-80cm	BR	1+1 : groups of 3-8	1.5Cr	5%
3	Euonymus europaeus	150-175cm	BR	1+1 : groups of 3-8	1.5Cr	5%
3	Ilex aquifolium	40-60cm	2L	Individuals	1.5Cr	5%
3	Malus sylvestris	60-80cm	BR	1+1 : groups of 3-5	1.5Cr	5%
3	Prunus spinosa	60-80cm	BR	1+1 : groups of 3-9	1.5Cr	15%
3	Prunus spinosa	150-175cm	BR	1+1 : groups of 3-9	1.5Cr	5%
3	Rosa canina	40-60cm	BR	1+1 : groups of 3-8	1.5Cr	5%
3	Viburnum opulus	60-80cm	BR	1+1 : groups of 3-5	1.5Cr	5%

Preparation and planting:

1m to 3m centres naturalistic. Branched, min 3 breaks.

Where planting into existing grassland - notch planted randomly within scrub area, ensure roots are completely covered with soil and plants are firmed to an upright position.

Where planting into new ground - Multipurpose topsoil to comply with BS 3882. Remove any general rubbish, stones, large roots and existing weed vegetation greater than 50mm in any one dimension from the planting site. Break up subsoil and cultivate to a depth of 300mm. Add top soil to a further settled depth of 300mm. Plant in the dormant season between late October to late March. Plant immediately on delivery from the supplier and ensure to retain moisture to the roots.

Protect with spiral tree guards, and support with a cane using a soft tie. Apply weed suppressant membrane and cover with a 75mm settled depth of bark chippings.

Maintenance requirements:

Year 1-3: Standard native scrub establishment in accordance with supplier guidelines.

Year 4 onwards: Thin 30% of the area to open the canopy. Leave remaining sections to grow for 1 further year. Vary the location of sections which are thinned and sections which are left for two years.

Ornamental planting

Shrubs

Number of Plants	Species	Height	Pot Size	Specification	Density
21	Euonymus fortunei 'Silver Queen'	30-40cm	3L	Bushy	4/m ²
30	Hebe 'White Gem'	30-40cm	3L	Bushy	4/m ²
16	Lavandula angustifolia 'Hidcote Pink'	20-30cm	3L	Bushy	4/m ²
32	Lavandula angustifolia 'Hidcote'	20-30cm	3L	Bushy	4/m ²
25	Skimmia japonica 'Fragrans'	30-40cm	3L	Bushy	4/m ²
16	Weigelia florida 'Variegata Nana'	30-40cm	3L	Bushy	4/m ²

Total 140

Climbing mix

Number of Plants	Species	Specification	Height	Pot Size	Density	Percentage Contribution			
20	Clematis cirrhosa 'Freckles'	Branched	Several Shoots	5 brks	Framed	60-100cm	5-7.5L	4/m ²	10%
20	Clematis montana	Branched	Several Shoots	5 brks	Framed	60-100cm	5-7.5L	4/m ²	10%
20	Clematis tangutica	Branched	Several Shoots	5 brks	Framed	60-100cm	5-7.5L	4/m ²	10%
20	Clematis viticella	Branched	Several Shoots	5 brks	Framed	60-100cm	5-7.5L	4/m ²	10%
20	Hedera colchica	Branched	Several Shoots	5 brks	Framed	60-100cm	5-7.5L	4/m ²	10%
20	Hydrangea petiolaris	Branched	Several Shoots	5 brks	Framed	60-100cm	5-7.5L	4/m ²	10%
20	Lonicera periclymenum	Branched	Several Shoots	5 brks	Framed	60-100cm	5-7.5L	4/m ²	10%
20	Rosa 'Albino Barber'	Branched	Several Shoots	5 brks	Framed	60-100cm	5-7.5L	4/m ²	10%
20	Rosa 'Rambling Rector'	Branched	Several Shoots	5 brks	Framed	60-100cm	5-7.5L	4/m ²	10%
20	Vitis vinifera 'Purpurea'	Branched	Several Shoots	5 brks	Framed	60-100cm	5-7.5L	4/m ²	10%

Total 200

HM 1

Number of Plants	Species	Height	Pot Size	Specification	Density	Percentage Contribution
8	Euonymus jap. 'Micro Aureovariegatus'	40-60cm	3L	C	Bushy	4/m ² 30%
8	Hypericum 'Hidcote'	40-60cm	3L	C	Bushy	4/m ² 30%
8	Potentilla fruticosa 'Elizabeth'	40-60cm	3L	C	Bushy	4/m ² 30%
4	Vinca minor	40-60cm	3L	C	Several shoots	4/m ² 10%

Total 28

HM 6

Number of Plants	Species	Height	Pot Size	Specification	Density	Percentage Contribution
17	Aucuba japonica 'Rozannie'	30-40cm	3L	C	Bushy	4/m ² 20%
17	Chosya ternata 'Sundance'	30-40cm	3L	C	Bushy	4/m ² 20%
17	Euonymus jap. 'Micro Aureovariegatus'	30-40cm	3L	C	Bushy	4/m ² 20%
17	Kernia japonica 'Picta'	30-40cm	3L	C	Bushy	4/m ² 20%
17	Skimmia japonica	40-60cm	3L	C	Several shoots	4/m ² 20%

Total 85

SE 1

Number of Plants	Species	Height	Spread	Pot Size	Specification	Density	Percentage Contribution
27	Bergenia 'Bressingham Ruby'	20-30cm	2L	C-Full Pot	4/m ²	30%	
24	Euonymus fortunei 'Haleum'	30-40cm	3L	C	Bushy	4/m ² 25%	
24	Leucothoe ketekei 'Royal Ruby'	30-40cm	3L	C	Bushy	4/m ² 25%	
19	Viburnum tinus 'Eve Price'	30-40cm	3L	C	Bushy	4/m ² 20%	

Total 94

SE 4

Number of Plants	Species	Height	Pot Size	Specification	Density	Percentage Contribution
49	Mahonia aquifolium 'Apollo'	30-40cm	3L	C	Bushy	4/m ² 20%
49	Ruscus aculeatus	20-30cm	2L	C	Bushy	4/m ² 20%
49	Santonia comamemolia	20-30cm	2L	C	Bushy	4/m ² 20%
49	Sarcococca confusa	30-40cm	3L	C	Bushy	4/m ² 20%
49	Skimmia japonica 'Fragrans'	30-40cm	3L	C	Bushy	4/m ² 20%

Total 245

Shrub mix 1

Number of Plants	Species	Height	Pot Size	Specification	Density	Percentage Contribution
12	Buddleia 'Lochin'	30-40cm	3L	C	4/m ²	20%
12	Ceanothus 'Burkwood'	30-40cm	3L	C	4/m ²	20%
12	Hebe andersonii	30-40cm	3L	C	4/m ²	20%
12	Skimmia japonica	30-40cm	3L	C	4/m ²	20%
12	Spiraea japonica 'Anthony Waterer'	30-40cm	3L	C	4/m ²	20%

Total 60

Shrub Mix 2

Number of Plants	Species	Height	Pot Size	Specification	Density	Percentage Contribution
13	Aucuba japonica 'Variegata'	30-40cm	3L	C	Bushy	4/m ² 10%
13	Ceanothus 'Burkwood'	30-40cm	3L	C	Bushy	4/m ² 10%
13	Ruscus stolonifera 'Flaviramea'	30-40cm	3L	C	Bushy	4/m ² 10%
13	Kernia japonica 'Picta'	30-40cm	3L	C	Bushy	4/m ² 10%
13	Pieris japonica 'Blush'	30-40cm	3L	C	Bushy	4/m ² 10%
13	Potentilla fruticosa 'Elizabeth'	30-40cm	3L	C	Bushy	4/m ² 10%
13	Ribes sanguineum 'King Edward VII'	30-40cm	3L	C	Bushy	4/m ² 10%
13	Spiraea japonica 'Anthony Waterer'	30-40cm	3L	C	Bushy	4/m ² 10%
13	Viburnum tinus 'Eve Price'	30-40cm	3L	C	Bushy	4/m ² 10%
13	Vinca major 'Variegata'	30-40cm	3L	C	Bushy	4/m ² 10%

Total 130

Preparation and planting:

Remove any general rubbish, stones, large roots and existing weed vegetation greater than 50mm in any one dimension from the planting site.

Break up subsoil and cultivate to a depth of 300mm. Add multipurpose topsoil to comply with BS 3882 to a further settled depth of 300mm. Plant in the dormant season between late October to late March. Plant immediately on delivery from the supplier and ensure to retain moisture to the roots. Roots shall be well soaked prior to planting. Dig a planting pit larger than the root ball (at least 50mm wider in all directions), add pelleted chicken manure or similar to the planting pit prior to planting in accordance with the manufacturer's instructions. Back fill top soil into the planting pit to bring the root ball level with the soil surface. Place the plant into the planting pit and backfill with top soil, firming in to hold the root ball in place. Water immediately. Apply a biodegradable weed suppressant matting overlaid with 75mm settled depth of bark chippings to the shrub bed post planting to suppress weed growth. These instructions apply to all shrubs and perennials to be planted in the ornamental planting beds.

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Maintenance requirements:

During the first growing season, water regularly until new roots have established. Thereafter water regularly in hot weather. Allow 3L water per shrub and 2L per perennial per day. At the end of the growing season cut away any dead, damaged, diseased, dying or crossing branches to maintain plant health. For the first 5 years feed all new plants with pelleted chicken manure or similar in accordance with the manufacturer's instructions, once a year at the beginning of the growing season and water in. Thereafter a mulch of organic matter such as well rotted manure or leaf manure or compost at the beginning of the growing season will maintain a healthy supply of nutrients for each plant. Top up annually to 75mm settled depth of bark chippings to the shrub bed to suppress weed growth. Remove and replace any diseased plants to prevent the spread of disease.

Private garden trees

Number of Plants	Species	Height	Girth	Specification	Density
6	Acer campestre 'Streetwise'	400-450cm	14-16cm	Heavy Standard	3x
2	Acer palmatum	200-250cm	10-12cm	Selected Standard	2x
6	Liquidambar styraciflua 'Aurea'	400-450cm	14-16cm	Heavy Standard	3x
3	Magnolia Royal Crown	200-250cm	10-12cm	Selected Standard	2x
6	Malus 'Van Eseltine'	400-450cm	14-16cm	Heavy Standard	3x
5	Prunus subhirtella 'Autumnalis Rosea'	400-450cm	14-16cm	Heavy Standard	3x
1	Prunus subhirtella 'Autumnalis'	400-450cm	14-16cm	Heavy Standard	3x
5	Robinia pseudoacacia	400-450cm	14-16cm	Heavy Standard	3x
2	Sorbus 'Autumn Spire'	400-450cm	14-16cm	Heavy Standard	3x

Total 36

Public open space trees

Number of Plants	Species	Height	Girth	Specification	Density
9	Acer campestre	400-450cm	14-16cm	Heavy Standard	3x