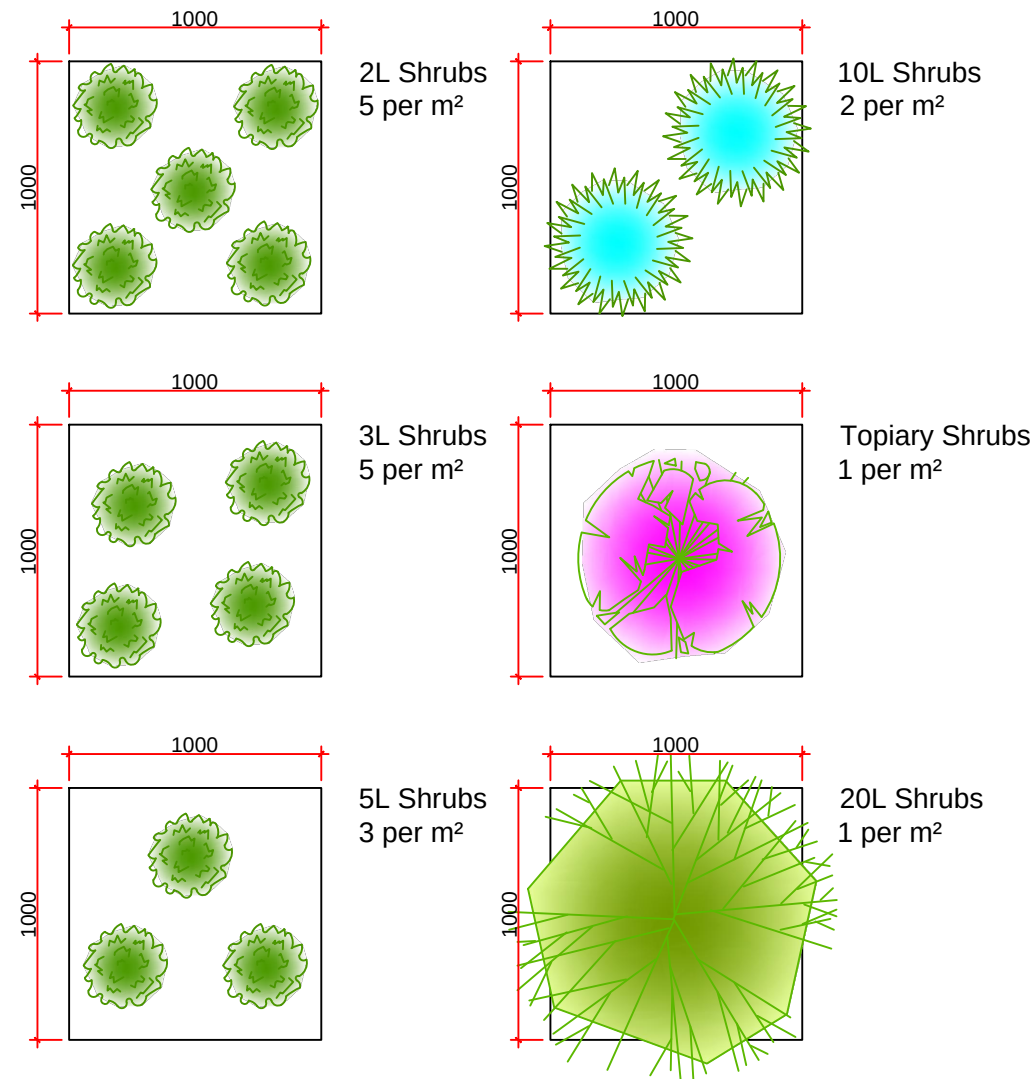


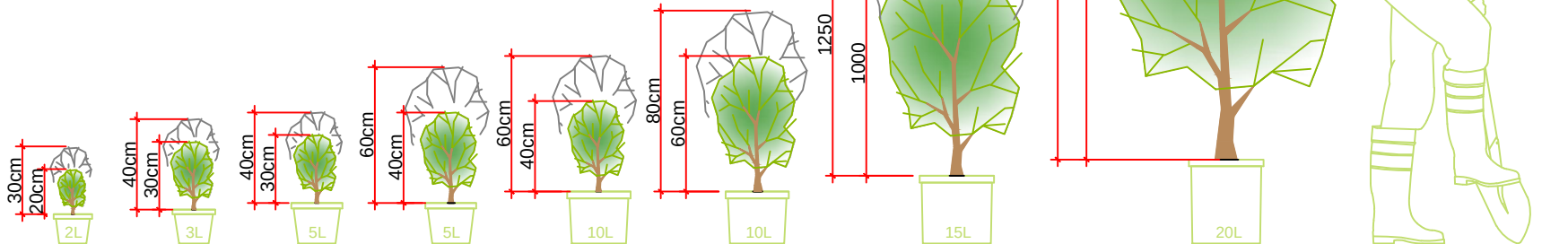
SHRUB PLANTING DENSITIES SPECIFICATION

The spacing of shrubs in hedgerows or planting beds is normally expressed in centres, although is can also be shown as a density applied to a unit area such as per sq metre. If densities have been used then a simple measure and count is required. If centres have been used then simply measure between the stems of each shrub as shown above.



POT SIZES SPECIFICATION 1&2

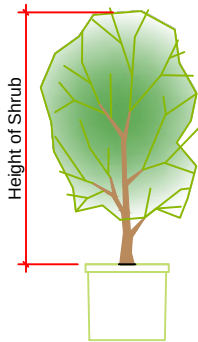
Pot sizes are set out in the landscape schedule referencing their capacity in litres). The diagram below sets out the size of the various standard pot sizes that you are likely to see on a landscape schedule. The pot size is generally the only common factor in the specification as species can differ in height even though they have the same pot size. A good tip is to check the pots as the contractor is planting out and insist that stock labels are left on the shrubs. A plants rooting system should almost fill the pot so also check that this is the case as smaller plants are sometimes put in larger pots. Remember shrubs and hedgerows **MUST MEET ALL** of the specification criteria including pot size, height and be planted at the correct densities/centres.



HEIGHT & FORM OF SHRUBS SPECIFICATION

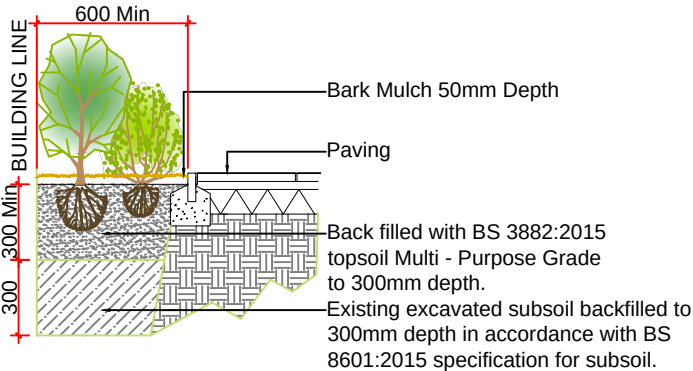
The height of the shrub is to be measured from nursery level, in the same way that trees are measured. The height in the specification **ONLY** includes the shrub and is measured from the nursery level in the same way that tree height is measured. The height does **NOT** include the pot as some contractors may suggest. Heights are expressed in a range (i.e. 40/60cm) within which the stock must comply. It is important to note that height ranges can vary between species that have the same pot size so you must check before accusing the contractor of under sizing stock.

The habit of shrubs and hedgerows is can also be specified, these can include 'bushy' - the shrub should be quite literally bushy with no clear single stem; 'branched' - the shrub should have shoots emerging form a main stem or central point ; and 'leader and laterals' - the shrub will have a single dominant stem fully furnished with side branches.



MINIMUM PLANTING BED FOR SHRUBS & HEDGEROWS SPECIFICATION

The diagram sets out the minimum planting bed width required to plant shrubs and the minimum depths of topsoil and subsoil to enable healthy future growth. Should these planting bed widths be un-achievable then an alternative finish of either Cultivated turf which requires topsoil depth of 150mm (Free draining) or gravel should be used.



- 1.0 PLANTING
- 1.1 All plants and planting to comply with the requirements of all current / relevant British Standard Specifications including BS 3936:1992 Part 1, BS 8545:2014, BS 4428:1989 (HTA 'Handling and establishing landscape plants' part 1, part 2, and part 3) and CPSE/JCLI Guidance.
- 1.2 All plants shall be hardened-off from the contractors own or supply nursery, prior to planting on site.
- 1.3 During cultivation, a 50mm depth of PAS 100 compost and Greentech ICL Sierrablén Flora (11:22:9+6%mg) controlled release fertilizer to be incorporated into the topsoil.
- 1.4 Supply and spread Ornamental Grade Bark Mulch at 50mm depth hedge and ornamental planting beds unless otherwise specified.
- 1.5 All shrubs are to be planted at the specified densities as shown on the planting schedule. Setting out should be as per the specified locations on the landscape layout. Contractor to ensure the plants are equally spaced as per diagrams shown, within individually planted groups.
- 1.6 Planting adjacent to road kerbs & hard surfaces is to be set back 250mm min from the back of kerb to allow room for the plants to establish, with the unplanted area keyed out to receive bark mulch.
- 1.7 Rabbit protection for native stock planting, appropriate spiral and cane installed to manufacturers specification.
- 1.8 Failures & Replacements:
- General: Plants/ trees/ shrubs that have failed to thrive (unless due to theft or malicious damage after completion) during 12-month period from time of practical completion, will be regarded as defects due to materials or workmanship not in accordance with the contract.
  - Replace with equivalent trees/shrubs.
  - Replacements: To match size of adjacent or nearby plants of same species or match original specification, whichever is the greater.
  - Timing of making good: Next appropriate planting season as defined below:
  - Deciduous trees and shrubs: Late October to late March.
  - Conifers and evergreens: September / October or April / May.
  - Container grown plants: At any time if ground and weather conditions are favourable. Ensure that adequate watering and weed control is provided.
  - Although these are the most appropriate times for planting, the programme may not always coincide with the planting periods. If it is not possible to comply with the dates shown above for some plant types, the contractor is to advise the CA and provide alternative methods for planting.

- 2.0 SUBSOILING
- 2.1 All subsoiling operations are to be carried out to BS 8601:2013 specification for subsoil and requirements for use.
- 2.2 Existing subsoil should be used whenever possible and broken up in accordance with BS 8601:2013 specification.
- 2.3 Where subsoil is required to be imported to site, the soil should be installed to the following depths:
- |                                 |                                 |
|---------------------------------|---------------------------------|
| Shrub & Hedgerow Planting Beds: | 300mm min depth to BS 8601:2013 |
| Lawned Areas:                   | 300mm min depth to BS 8601:2013 |
- 3.0 TOPSOILING
- 3.1 All topsoiling operations are to be carried out to BS 3882:2015 specification for topsoil and requirements for use.
- 3.2 Prior to topsoiling all sub soil is to be thoroughly 'ripped' mechanically with excavator to relieve compaction.
- 3.3 All topsoiling to be carried out to the following depths (Assuming sufficient subsoil is in place);
- |                                |                              |
|--------------------------------|------------------------------|
| Shrub & Hedgerow Planting Beds | 300mm min depth BS 3882:2015 |
| Lawned Areas                   | 150mm min depth BS 3882:2015 |