

# GRENADIER planter

## PRODUCT DETAILS

### General

The Grenadier external planter is a versatile, multi-use and cost effective planter, available in a choice of materials and finishes to suit your scheme and budget.

The planter is available in either FSC®-certified hardwood or a FSC®-certified treated European, joinery quality redwood. Planters up to 2.8x2.8m plan size will be delivered fully assembled ready for planting.

Larger planters will be manufactured in sections and delivered for assembly on site.

Shaped planters can be manufactured and supplied to any straight sided shape.

Planters can be manufactured with additional steel support to enable the planters to be moved when fully planted.

### Construction

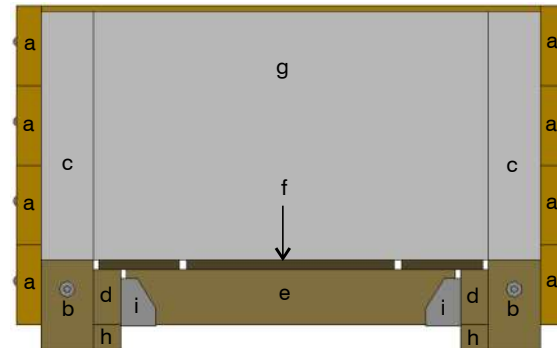
The Grenadier, all timber planter, is constructed by bolting 145x45mm section horizontal walling slats to 95x95mm section posts. 45x45mm corner fillets are fitted to the external corner to ensure a neat detail.

The internal base is constructed using 100x47mm treated softwood bearers, fixed to the posts and fitted to joist hangers fixed to the main bearers. FSC®-certified hardwood faced plywood is fixed down onto the bearers. 45mm high timber blocks are fitted to the underside of the bearers, to ensure that the load is safely transferred to the ground.

When fully constructed, the inside of the planter is fully lined with a geo-textile lining, that allows water to drain through whilst retaining the soil fines.



Section thro' planter



### Key

- a - 145 x 45mm FSC®-certified horizontal timber slats
- b - M12 x 160mm cup square coachbolts
- c - 95 x 95mm FSC®-certified timber corner posts
- d - 100 x 47mm FSC®-certified timber side bearers
- e - 100 x 47mm FSC®-certified timber cross bearers
- f - 18mm FSC®-certified hardwood faced plywood
- g - Terram 1000 geo-textile membrane filter lining
- h - 45mm high FSC®-certified timber blocks

## Typical plan sizes, heights and basic shapes of Grenadier planters

| Plan dimensions and material options | all other sizes, heights and plan shapes can be manufactured and supplied |       |       |       |        |        |
|--------------------------------------|---|-------|-------|-------|--------|--------|
| Square                               | Planter heights   |       |       |       |        |        |
| 0.5 x 0.5m                           | 485mm   | 630mm | 775mm | 920mm | 1065mm | 1210mm |
| FSC®-certified softwood              | •   | •     | •     | •     | •      | •      |
| FSC®-certified hardwood              | •   | •     | •     | •     | •      | •      |
| 1.0 x 1.0m                           |   |       |       |       |        |        |
| FSC®-certified softwood              | •   | •     | •     | •     | •      | •      |
| FSC®-certified hardwood              | •   | •     | •     | •     | •      | •      |
| 1.2 x 1.2m                           |   |       |       |       |        |        |
| FSC®-certified softwood              | •   | •     | •     | •     | •      | •      |
| FSC®-certified hardwood              | •   | •     | •     | •     | •      | •      |
| 1.5 x 1.5m                           |   |       |       |       |        |        |
| FSC®-certified softwood              | •   | •     | •     | •     | •      | •      |
| FSC®-certified hardwood              | •   | •     | •     | •     | •      | •      |
| 2.0 x 2.0m                           |   |       |       |       |        |        |
| FSC®-certified softwood              | •   | •     | •     | •     | •      | •      |
| FSC®-certified hardwood              | •   | •     | •     | •     | •      | •      |
| 2.8 x 2.8m                           |   |       |       |       |        |        |
| FSC®-certified softwood              | •   | •     | •     | •     | •      | •      |
| FSC®-certified hardwood              | •   | •     | •     | •     | •      | •      |
| Rectangular                          |   |       |       |       |        |        |
| 1.0 x 0.5m                           | 485mm   | 630mm | 775mm | 920mm | 1065mm | 1210mm |
| FSC®-certified softwood              | •   | •     | •     | •     | •      | •      |
| FSC®-certified hardwood              | •   | •     | •     | •     | •      | •      |
| 2.0 x 1.0m                           |   |       |       |       |        |        |
| FSC®-certified softwood              | •   | •     | •     | •     | •      | •      |
| FSC®-certified hardwood              | •   | •     | •     | •     | •      | •      |
| 2.8 x 1.0m                           |   |       |       |       |        |        |
| FSC®-certified softwood              | •   | •     | •     | •     | •      | •      |
| FSC®-certified hardwood              | •   | •     | •     | •     | •      | •      |