



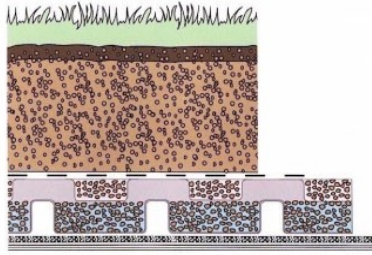
# Lightweight & Ultra-lightweight

## Roof gardens and green roofs.



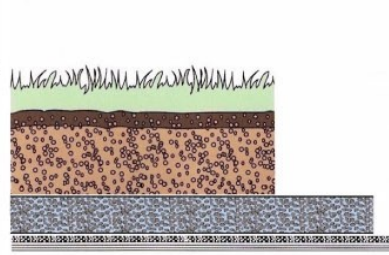
### (1) LIGHTWEIGHT : Roof Garden / Turf / General Planting

#### Conventional



Turf	20mm	15kilos
Rootzone	175mm	175kilos
Drainage	60mm	50 kilos

#### Aquadyne



Turf	20mm	15kilos
Rootzone	100mm	100kilos
Drainage	45mm	31.5 kilos

Conventional Totals	255mm	240kilos	Aquadyne Totals	165mm	146.5kilos
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#### 'Conventional' specification :

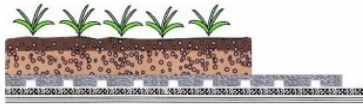
Waterproofing  
 EPS insulation 160mm  
 60mm drainage layer with crushed brick infill / filter sheet  
 175mm intensive growing medium (to support turf)

#### Aquadyne specification

Waterproofing 20yr warranty  
 Insulation 160mm (0.20u value)  
 Aquadyne  
 100mm Rootzone

### (2) ULTRALIGHTWEIGHT : Extensive Green Roof

#### Conventional



Seedum	20mm	25kilos
Rootzone	45mm	45kilos
Drainage	20mm	1 kilos

#### Aquadyne / Rain Harvesting (suds)



Seedum	20mm	25kilos
Rootzone	0mm	0kilos
Drainage	45mm	25.5 kilos

Conventional Totals	85mm	65kilos	Aquadyne Totals	65mm	50.5kilos
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#### 'Conventional' specification

timber deck  
 vapor barrier  
 Polyurethane insulation 100mm  
 waterproofing  
 25mm drainage layer / filter sheet  
 45mm growing medium  
 Pre-grown sedum mat

#### Aquadyne specification

timber deck  
 vapor barrier  
 Polyurethane insulation 100mm  
 waterproofing  
 Aquadyne  
 Pre-grown sedum mat  
 Rain harvesting and water circulation (option)

Aquadyne rain harvesting green roofs can support a wide variety of intensive and extensive plant species. An evergreen surface is created which is visually striking all year round yet remains low maintenance.

Rain harvesting can be used to satisfy H3 suds criteria.