



ACO. creating
the future of drainage

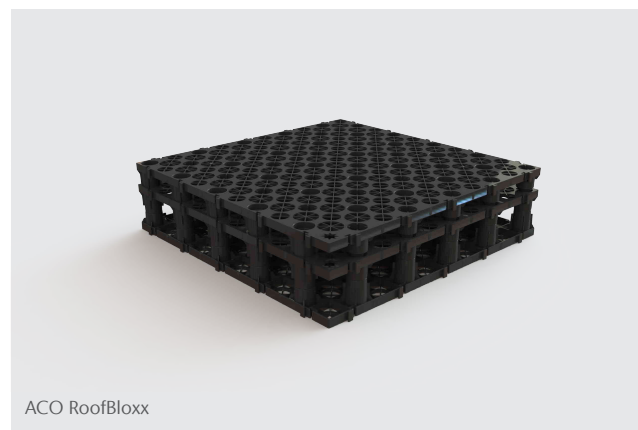
ACO RoofBloxx

The ACO RoofBloxx geocellular tank is a shallow, high-strength, height variable storage void, that can be used with the RoofBloxx Cell structural drainage sheet and blue roof flow restrictor to give a complete blue roof attenuation system.

This can be combined with ACO roof outlets, downpipes and surface water drainage systems to give a wider building drainage and SuDS solution. ACO RoofBloxx Tank is an interlocking geocellular drainage system ranging in depth 85mm – 165+mm. It has been designed for shallow, high-strength roof attenuation systems and is also ideal for intensive green roof designs. ACO RoofBloxx modularity and high-void structure makes it an ideal system to be incorporated into complex on-structure landscapes.

Benefits

- Design flexibility
- Easy installation
- Lightweight and high strength
- Efficient
- Sustainable and environmentally friendly

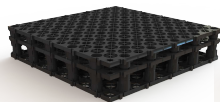


ACO RoofBloxx

Applications

- Blue, Blue green and Green roofs
- Podium decks
- Planter boxes
- Paved areas and roadways

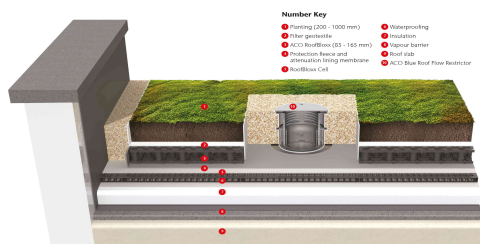
System Overview



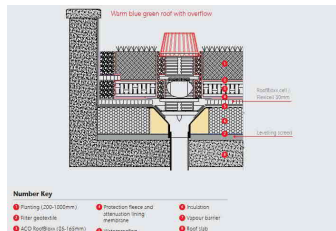
Model	RoofBloxx 85	RoofBloxx 125	RoofBloxx 165
Product Code	110001	110002	110003
Size (mm)	500 x 500 x 85	500 x 500 x 125	500 x 500 x 165
Material	Polypropylene	Polypropylene	Polypropylene
Colour	Black	Black	Black
Top surface void area	~53%	~53%	~53%
Porosity	~90%	~90%	~90%
Gross volume	~0.021m ³	~0.031m ³	~0.041m ³
Net water volume	~0.019m ³	~0.028m ³	~0.037m ³
Unit weight	~2.2kg	~3.3kg	~4.4kg
Compressive strength Max.	800kN/m ² Max.	800kN/m ² Max.	800kN/m ²
Discharge capacity			
- @ 0% gradient	6.4l/m/s	12.2l/m/s	16.9l/m/s
- @ 1% gradient	7.5l/m/s	13.4l/m/s	17.9l/m/s
- @ 2% gradient	8.5l/m/s	14.1l/m/s	18.8l/m/s
Biological/chemical resistance	Unaffected by moulds and algae, soil borne chemicals, bacteria and bitumen		

ACO RoofBloxx Installation

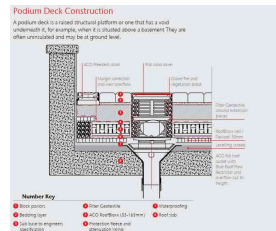
Warm Green Roof



Warm Blue Green Roof with overflow



Podium Deck



Typical Specification Clause

The blue roof storage unit is ACO RoofBloxx by ACO Building Drainage measuring 500 x 500 x 85/125/165 mm (as appropriate) with an ultimate vertical compressive strength of not less than 800 kN/m² with a 90% void ratio. The ACO RoofBloxx system shall be laid on a 1mm PP welded geomembrane, ACOTex 300gsm Protection Fleece, ACO RoofBloxx Cell 30mm, and overlaid with ACOTex 125gsm geotextile. All laps should be a minimum of 300 mm.



To download a copy of the ACO RoofBloxx Product Overview brochure visit www.aco.co.uk/products/roofbloxx

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