

The AquaCrate Range

by Pennine Manufacturing Ltd

Manufactured in the UK to ISO9001 Quality Standards by Manchester-based firm Pennine Manufacturing Ltd. Made from durable polypropylene, the AquaCrate is a lightweight yet robust water attenuation and infiltration solution.



Product Details

AquaCrate 400 (4-sided)

NOMINAL SIZE	1x1x0.4m
CAPACITY	400 litres (2.5 per cu.m)
UNIT WEIGHT	16.74Kg
VOID RATIO	95.5%
COMPRESSIVE STRENGTH	>200+KN/sqm

AquaCrate 410 (4-sided with 1 support)

NOMINAL SIZE	1x1x0.4m
CAPACITY	400 litres (2.5 per cu.m)
UNIT WEIGHT	17Kg
VOID RATIO	94.5%
COMPRESSIVE STRENGTH	>300+KN/sqm

AquaCrate 440 (4-sided with 4 supports)

NOMINAL SIZE	1x1x0.4m
CAPACITY	400 litres (2.5 per cu.m)
UNIT WEIGHT	22Kg
VOID RATIO	94.2%
COMPRESSIVE STRENGTH	>500+KN/sqm

AquaCrate 450 (4-sided with 5 supports)

NOMINAL SIZE	1x1x0.4m
CAPACITY	400 litres (2.5 per cu.m)
UNIT WEIGHT	24.24Kg
VOID RATIO	94.2%
COMPRESSIVE STRENGTH	600+KN/sqm

AquaCrate 490 (4-sided with 9 supports)

NOMINAL SIZE	1x1x0.4m
CAPACITY	400 litres (2.5 per cu.m)
UNIT WEIGHT	30.24Kg
VOID RATIO	94.2%
COMPRESSIVE STRENGTH	1000+KN/sqm

AquaCrate 30t/sqm with lateral strengtheners

NOMINAL SIZE	1x1x0.4m
CAPACITY	400 litres
UNIT WEIGHT	20.04Kg
VOID RATIO	94%
COMPRESSIVE STRENGTH	300+KN/sqm

AquaCrate 60t/sqm with lateral strengtheners

NOMINAL SIZE	1x1x0.4m
CAPACITY	400 litres
UNIT WEIGHT	26.04Kg
VOID RATIO	94%
COMPRESSIVE STRENGTH	600+KN/sqm

AquaCrate 2

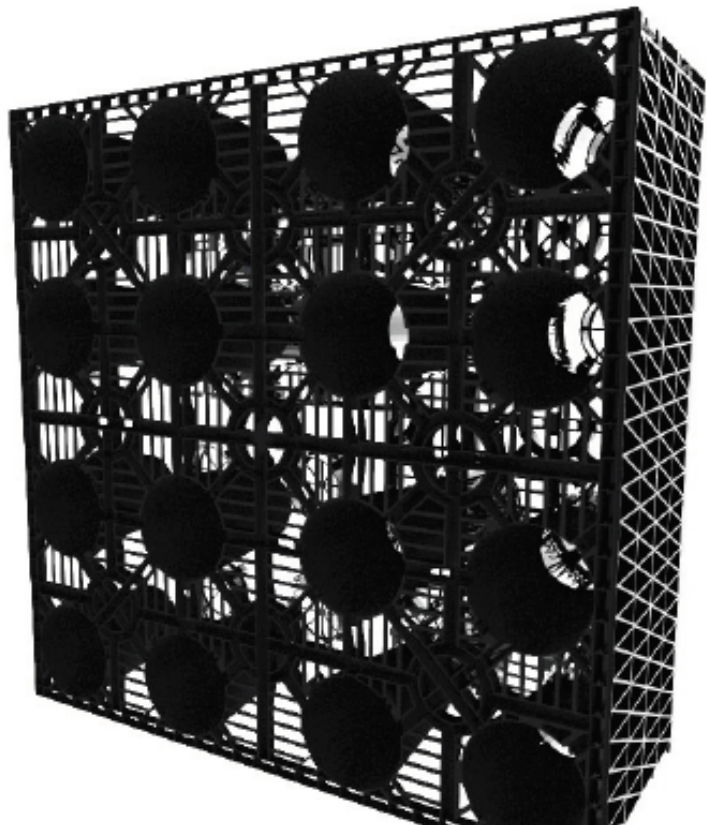
NOMINAL SIZE	1x1x0.33m
CAPACITY	333 litres (3 per cu.m)
UNIT WEIGHT	17.8Kg (Standard), 15Kg (Lite)
VOID RATIO	94% (S), 95% (L)
COMPRESSIVE STRENGTH	400+KN/sqm (S), 200+KN/sqm (L)

AquaCrate 4

NOMINAL SIZE	1x1x0.33m
CAPACITY	333 litres (3 per cu.m)
UNIT WEIGHT	17Kg
VOID RATIO	94%
COMPRESSIVE STRENGTH	400+KN/sqm

The Advantages of the AquaCrate

- Can be used for water storage and attenuation to prevent flooding
- Helps prevent peak flow to main drainage and purification systems
- Rainwater is 'cleaned' by the geotextile surround
- Promotes the balance in the groundwater position
- Decreases environmental problems caused by development
- Easy to install

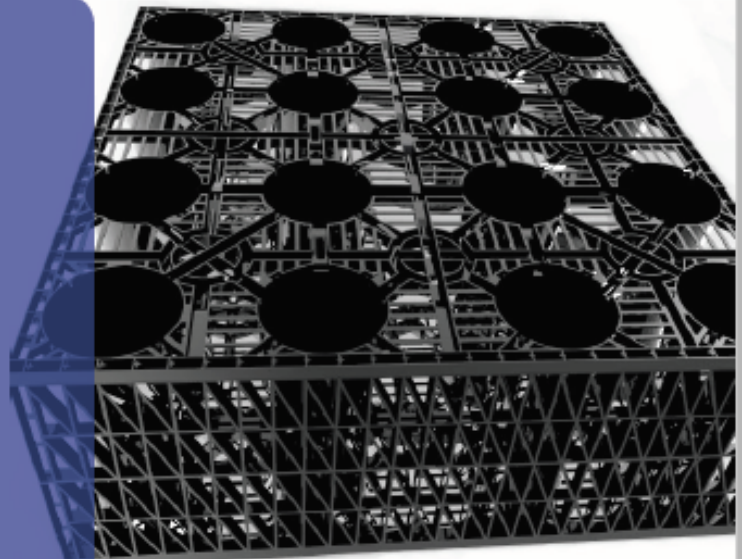


-Assembled ready to install with up to 75 cu.m. on a full load

-Available in different configurations to meet specific requirements

-High loadbearing capability - capable of withstanding freestanding and flowing HGV traffic

-Vertical load bearing of 20-over 100 tonne/sqm



-Simple and fast to install, with 3 units per cu.m

-Efficient design gives competitive cost

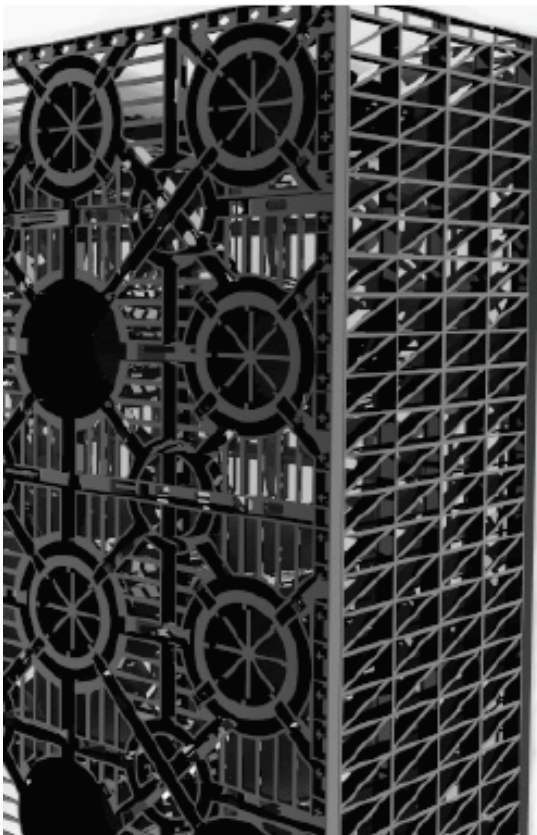
-Internally accessible by CCTV and jetting equipment

-Modular size of 1 x 1 x 0.33 m, ensuring great versatility in both size and shape of storage

-Small modular height allows for use with high water tables

-Standard connectivity with both 110 or 160mm connections

-Lightweight units under 20Kg removes the need for mechanical handling



About Us

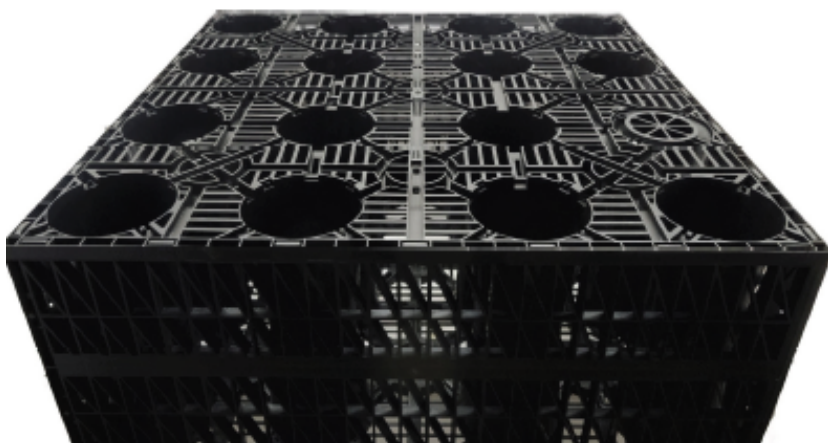
Here at Pennine Manufacturing Ltd, we have more than 35 years' experience in manufacturing, all in the UK to ISO9001 Quality Standards. We're well-trained in injection and rotational moulding, toolmaking, wirework and powder coating.

We do more than just manufacture though. Conception of a product starts with us. We find solutions absent from the market, and through careful design and innovation, create products high in demand for a global market.

All design starts with a scribble on our MD's notepad. Taken through the journey of 3D software modelling and rendering, tool programming and delivery to site, we take our ideas and turn them into a reality - high-calibre products at a competitive price.

Our AquaCrate Range is just one of the building product lines we manufacture; we also produce:

- Ground Reinforcement Mats, in a range of compressive strengths and thicknesses*
- Modular Chambers*
- Modular Ladder Systems*
- Temporary Flooring Systems*
- Sub-Pavement Trays*
- Roofing Products*
- A new line of Manhole Lids - with our specialised LAST technology*



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