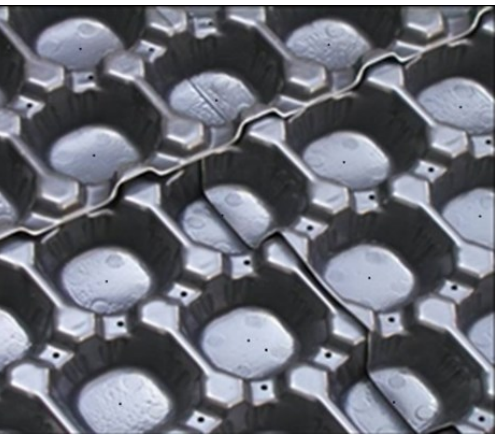


Contractor UPDATE

Date: September 22
No:202215



Bauder launch new BauderBLUE STORMsub system

A green roof system that will attenuate water and give a true blue roof solution.

The Bauder STORMsub system uses a new drainage and attenuation board (RE 40) to hold SUB-RE UK, a new blue roof substrate, which then acts as the void layer to attenuate rainwater in a storm event.

This removes the need to have a separate attenuation layer and can reduce the depth of the blue roof system. The flow rate from the roof is still controlled using the BauderBLUE ST adjustable flow restrictor.

The STORMsub offers an environmental solution, reducing the plastic in the build-up by 87% and provides a deeper growing medium for the green roof vegetation, which in turn improves its establishment.

The RE 40 board has a similar profile to that of the DSE 40 . However the RE 40 board has a small hole in the base of each cell allowing the whole of the drainage board to be used to attenuate rainwater.

The SUB-RE UK is a single size expanded clay substrate which has an excellent void ratio and water retention properties. The gaps between the granules in the substrate provide a storage void. enabling 50+ l/m² for a 100mm build-up. The porous clay surface holds on to some of the water and provides a deep rooting layer for the vegetation.

Both the RE 40 and SUB-RE will be available in the 4th quarter of 2022.

(See further details over leaf)

In addition the **STORMsub** Bauder offer two other blue roof systems:

Bauder STORMcell: Using the Bauder Attenuation Cell to give high capacity storage.

Bauder STORMvoid: Using Bauder Pedestal systems to form the void offering a low cost paved solution.

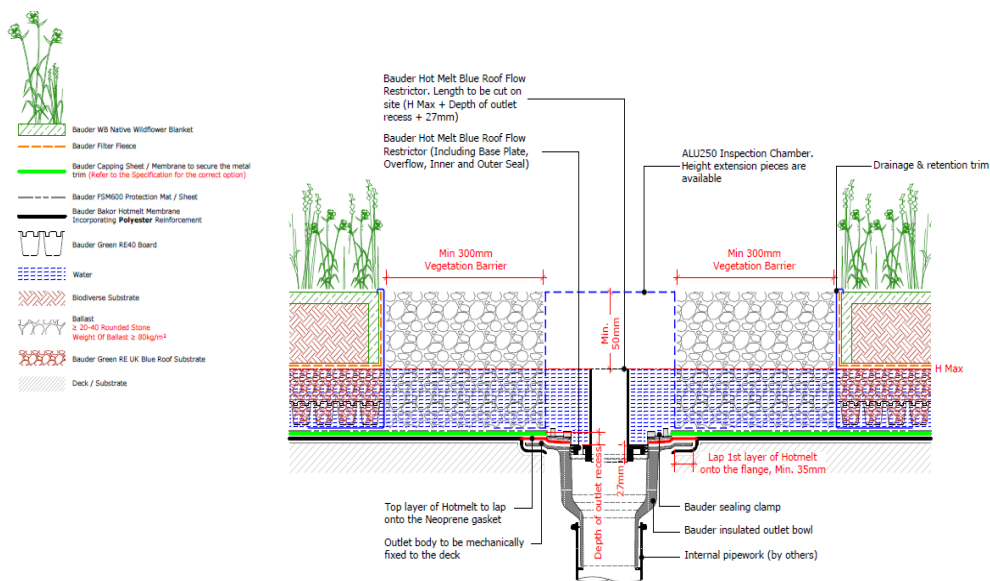


The SUB-RE UK substrate is approximately 50% void. (Holding 50 l/m² in a 100mm build-up).

The porous clay surface holds on to some of the water and provides a deep rooting layer for the vegetation which can then make use of the retained water.

The key benefits of the system is the reduction in plastic content (87% less than the STORMcell system) and the depth of the blue roof substrate can be adjusted to exactly match the water retention required. This can be an extremely cost effective solution.

See Attached Product Data Sheet for RE 40 and SUB-RE UK.



Cross section through BauderBLUE STORMsub system

The cross section below shows the system below a Bauder wildflower blanket green roof, where the STORMsub solution may only need a build up of 180mm.

For more information see Bauder's revised Blue Roof Design Consideration brochure on the website:
<https://www.bauder.co.uk/technical-centre/design-considerations/blue-roof-design-considerations>.

If you have any questions please do not hesitate to contact me.

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