

# Hydrocell RG30 Water Reservoir Layer

Hydrocell is a proprietary urea aldehyde resin based hardfoam that is either manufactured directly onto the roof or delivered in a premanufactured sheet composition, as a 30mm layer.

## THE PRODUCT...

The dry weight is 1.5kg/m<sup>2</sup>, which is complemented by it's ability to absorb water into the open cell structure to reach a field capacity weight of 18kg/m<sup>2</sup>.

The functions of the layer are numerous:

- Water reservoir of up to 16lt/m<sup>2</sup> at field capacity.
- Fines filter, protecting the geofabric layer from blockage of media fines.
- Excellent growing media in it's own right, with a balanced air water ratio at field capacity.
- Non-hydrophobic, so can be easily re-wet if the situation arises.
- Excellent capillary properties enabling water to be moved upwards through the profile.

The Hydrocell RG30 layer is made up of interconnected small to medium cells or pore spaces, enabling the usable media volume to be approximately 99%.

## JOB EXAMPLES

- Desalination Plant - Wonthaggi, Victoria



Green roof, 27,000M<sup>2</sup>



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