



Technical Data Sheet

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Axter Limited

West Road Ransomes Europark
 Ipswich Suffolk IP3 9SX
 Tel (01473) 724056 Fax (01473) 723263
 Email info@axterltd.co.uk

www.axter.co.uk

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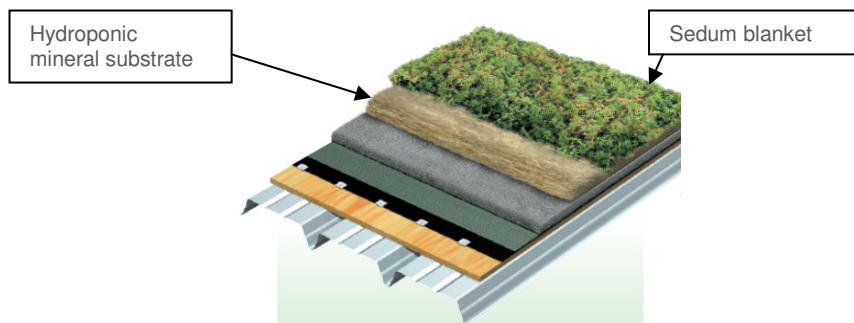


HYDROLITE

LIGHTWEIGHT EXTENSIVE GREEN ROOF

HYDROLITE draws on hydroponic technology employed by most glasshouse growers of tomatoes and cucumbers resulting in a lightweight green roof system suitable for use on buildings where weight loading is at a premium, especially on industrial units.

HYDROLITE comprises a hydroponic mineral substrate used as a water retaining layer. This is installed under a sedum blanket either alone or with an additional thin layer of a suitable top soil.



Hydroponic Mineral Substrate
 Rolls for extensive roof gardens with little or no slope

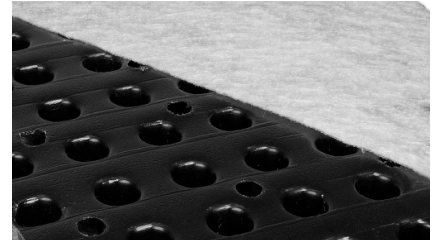


Product type	Dimension mm	Dry weight kg/m ²	Water capacity l/m ²	Saturated weight kg/m ²	Density
Hydroponic Mineral Substrate	12000x1000x35	1.5	18	20	43kg/ m ³

HYDROLITE should be installed as part of a low slope warm roof design in conjunction with Hydrodrain 12 drainage layer.

Hydrodrain 12

Axter HYDRODRAIN provides a lightweight drainage layer and water reservoir to sustain plant growth on extensive green roofs. It consists of a perforated cusped HDPE (High Density Polyethylene) core with a geotextile filter thermally bonded on the upper side. Used under soil layers, it allows the plant roots to reach down to the water in the core reservoirs. The core is perforated to allow the excess rainwater to flow into the undersides and away to the outlets (available from Axter Ltd).

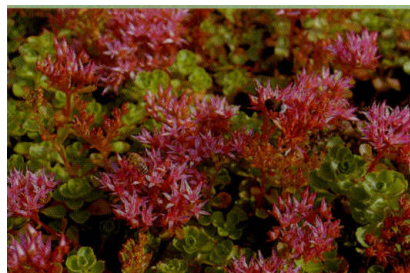


Vegetation blankets providing an instant established green roof:-

Sedum

Sedum vegetation mats are available pre-planted with up to seven varieties of sedum (Crassulacaea) for rolling out directly on top of the hydroponic mineral substrate. Little maintenance is required though Axter recommends a twice annual inspection with the occasional addition of a slow release fertilizer and light hand weeding.

Sedum weight approx. 10 kg/m² dry or 15 kg/m² saturated.



For further information see the Axter Sedum Vegetation Mat datasheet