



# Technical Data Sheet

July 2011

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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.

#### AXTER'S HYDROPONIC MINERAL SUBSTRATE

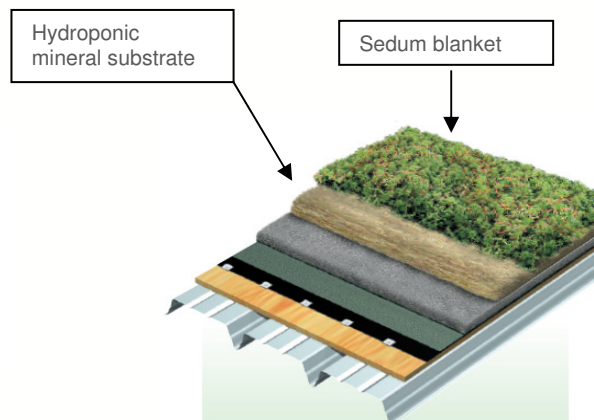
*Rolls for extensive roof gardens with little or no slope*

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



*Also suitable for sloping roofs with reinforced sedum blanket and retaining angles every 5m.*

On flat or low slope roofs the mineral substrate should be laid on top of a drainage layer such as Axter Drain or Drainax G but on sloping roofs it can be laid directly on top of the waterproofing (warm roof) or the breathable membrane (inverted roof).

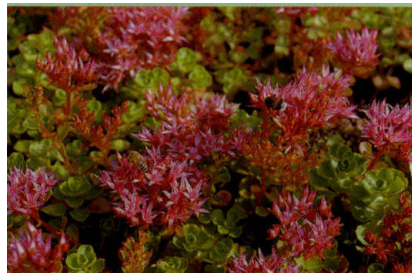


Vegetation blankets providing an instant established green roof:-

### **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/m<sup>2</sup> dry or 15 kg/m<sup>2</sup> saturated.*



*For further information see the Axter Sedum Vegetation Mat datasheet*