

**LYSAGHT**



## LYSAGHT® GREEN ROOF SOLUTION

Shaping the Future of  
Sustainable Development





# Why Green Roof?

Sustainability is an integral requirement of any modern architecture and development project. And it should start with a robustly designed and aesthetically pleasing green roof system.

Choosing the right green roof solution not only helps in achieving the Green Building Assessment Objectives, it also extends the lifespan of the roof and allows your property to appreciate better in the long run.







# Lysaght® Metal Roof The Best Support Structure for Your Green Roof Construction

As the support structure for a green roof system, Lysaght metal roof profiles surpass all other alternatives in many aspects:



Robust, consistent, and strong - carefully designed and well tested, Lysaght metal deck profiles effectively support the weight loading of the substrates, components, and foot-traffic.



Easy to install, efficient in progress - No curing time required after installation and instantly ready for greenery work.



Sustainability - Metal is recyclable with a longer lifespan compared to the concrete conventionally used in green roofs construction.



Aesthetically pleasing - Lysaght metal deck offers flexibility in curved and tapered roof design, so your green roof doesn't need to be flat and square. It blends well with the building design, so the exposed metal roof looks harmonious even without vegetation.



# Lysaght® Green Roof Solution Crafted to Meet Any Building Design and Functionality

Carefully designed and paired with Lysaght® concealed-fixing roof profiles, such as Klip-Lok®, 360 Seam®/ Locked Seam® for complete watertightness, Lysaght® Green Roof Solution is versatile to be adopted for main roofs, recreational rooftop gardens, walkways, car park shades, bus stands, and many more.

Tested in BlueScope Products Innovation Centre, here are the unmatched benefits and peace of mind when you choose Lysaght® Green Roof Solution:



Enhanced heat and acoustic insulation - carefully designed system delivers superb indoor comfort and eliminates the rain tapping noises.



Superior watertightness – no hassle of post-installation roof maintenance.



The convenience of ONE-STOP-SOLUTION - with Lysaght as a single provider of solution designs, consultation, and all the components, so there is no hassle for you to deal with multiple-parties



Premium coated steel by BlueScope - renowned for its long-lasting and well-tested performance, you can expect Lysaght® Green Roof System to last for as long as it needs.

**Lysaght Green Roof Solution comes with the following Manufacturer Direct Warranty for your total peace of mind:**

1. Metal cladding material warranty \*against corrosion and colour fading
2. Material & workmanship warranty \*on root barrier membrane (material & workmanship)

\* Warranty terms and conditions apply



# Our Standard Greenery System

System	KLV	SeamV	KL30 / Seam30	KL50	Seam50
Roof Design	Flat	Flat & Curve	Flat	Flat	Flat & Curve
Choices of Vegetation	Groundcovers		Groundcovers / Shrubs	Groundcovers / Shrubs	
Saturated Weight of Greenery System	Light 36 kg/m <sup>2</sup>		Medium 117 kg/m <sup>2</sup> *	Heavy 128*kg/m <sup>2</sup> *	
Water Retention Capacity	Moderate 23 L/m <sup>2</sup>		Good 49 L/m <sup>2</sup>	Excellent 58 L/m <sup>2</sup>	
Water Retention Days**	Up to 6 days		up to 12 days	up to 15 days	
Maintenance	Low		Periodic	Periodic	
Design	Basic		Practical	Aesthetic	

\* Saturated weight may vary depending on the type of vegetation and the depth of planting mix used.

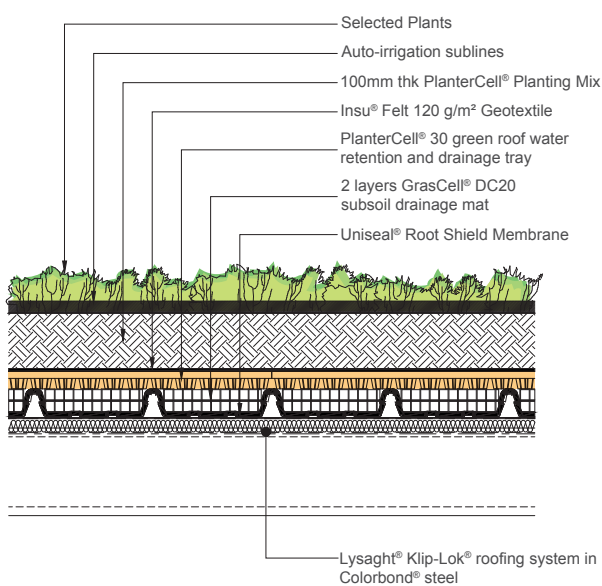
\*\* Based on evapotranspiration rate of 4 L/m<sup>2</sup>/day with drought-tolerant vegetation.

Highest quality and accredited greenery materials in Lysaght® Green Roof System:

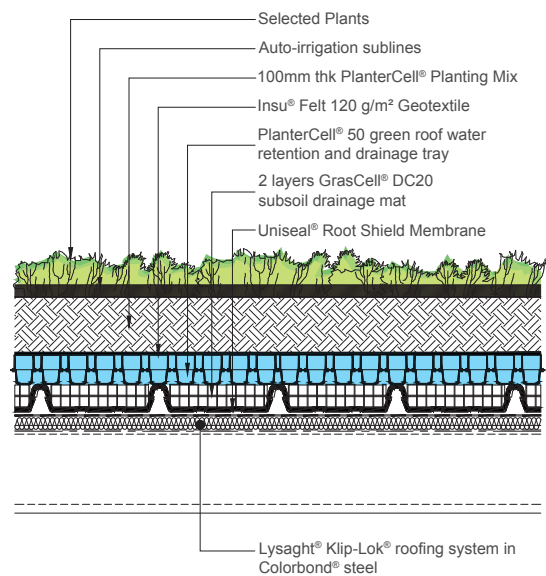




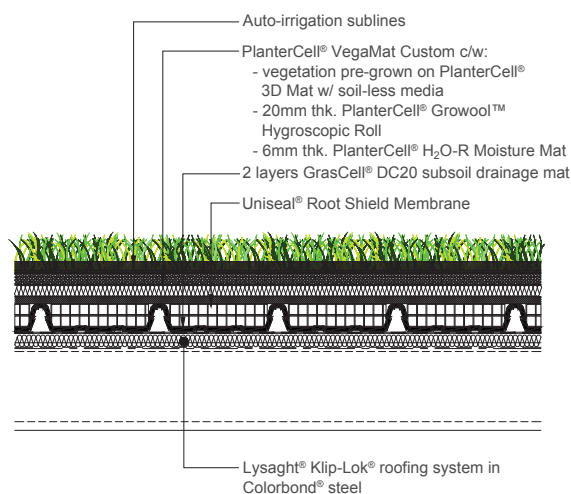
# Illustration Of Lysaght® Green Roof System



**KL30**



**KL50**



**KLV**

Note: All the product images used in this brochure are for reference purposes only and does not reflect the actual configuration of the product. Kindly note that the product images are indicative and for illustration purposes only. Lysaght reserves the right to make any change to product images without prior notice. For accurate and up-to-date information, seek advice from Lysaght representative.



Ready to design a  
green roof for your  
upcoming project?

Contact us today for more insights on  
**Lysaght® Green Roof Solution.**



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COATING



COLOUR CHOICES



DESIGN FLEXIBILITY



DURABILITY / SECURITY



HI-TECH PRODUCTION



RECYCLING



TERMITE PROOF



THERMAL EFFICIENCY



WARRANTY



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