



Hertalan EPDM green roofing systems

Hertalan

Hertalan develops, produces and sells unique EPDM of exceptionally high quality all over the world. Hertalan supplies several EPDM systems for various architectural applications based on these products and a range of clever accessories and application systems.

Hertalan EPDM membrane: an investment in the future, based on proven quality.

Expert advice

Giving a roof a vegetation covering is a complex matter. There are often several parties involved, which increases the chance of errors. Know-how and sound project management are therefore essential.

Hertalan is an experienced partner in the field of project management, with all the know-how required for a complete service from the design phase to the completion of the project.

Quality aspects

EPDM is a roof covering with unique properties. It has an exceptionally long life span, requires virtually no maintenance, can be processed as a complete membrane, is root-resistant, UV resistant and naturally resistant to ozone. The environmental impact is negligible and the ROI (return on investment) substantial.

FLL hallmark

The German "Forschungsgesellschaft Landschaftsentwicklung Landschaftsbau" (FLL) occupies a leading position in Europe in the testing of the root penetration-resistant properties of roofing systems. Both the *hertalan* easy cover (EPDM membrane and hot-bonding seals) and the *hertalan* easy weld (EPDM membrane and EW strip) meet the strict standards of the FLL.





Green roofs

A green roof is a roof that is covered with vegetation and growth, which creates a wide range of options. Selecting a vegetation type combines the practical with the enjoyable. Green systems improve the heat and noise insulation of a building structure, have an air purifying effect, catch rainwater and discharge it at a delayed rate, enhance the area's biodiversity and have aesthetic added value. Green roofs can have a primary and secondary function. In the first case a green roof is often used as a 'living roof', possibly in combination with parking options.

Intensive roof vegetation

Intensive green roofs are generally also used for recreation (and in some cases parking). They are 'living roofs' consisting of perennial plants, trees and paths. These roofs set stringent requirements for the structure of the roof covering and the roof growth. The minimum weight of 300 kg/m² and a minimum building height of 20 cm mean that this type of green roof can be used only if this has been taken into account at the design stage.



Extensive roof vegetation

Extensive roof vegetation is a natural form of vegetation that calls for little maintenance. It includes the planting of various sedum varieties, herbs and certain types of grass. The construction height can therefore be limited to about 10 to 12 cm. This limited construction height restricts the weight of the roof vegetation. Approximately 15 kg/m² is calculated for each cm of construction height. This type of roof vegetation has been designed especially for roofs that are not easily accessible and can bear only a limited amount of weight.



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Hertalan EPDM membranes are root penetration-resistant and feature an FLL hallmark including our hot bonding process and hot air seam connection systems.

The system can be fitted as a membrane (fewer seams during fitting, resulting in a reduced risk of leaks), will generally exceed the life span of the vegetation layer and EPDM is the most environmentally-friendly choice for being placed under the roof covering.

Green Roof Organisation (GRO)

Hertalan UK is a sponsor of the Green Roof Organisation. GRO is a partnership of Industry and Stakeholders coming together to develop guidance for specification, design, manufacturing, installation and maintenance of Green Roofs.

