

SarnaVert Drainage

When designing a green roof, Sarnafil Ltd will recommend a reduction in the capacity of the drainage system, if it can be guaranteed that the greening system will remain in place for the life of the building. This is due to the fact that the green element retains water. If this has been taken into account in the drainage design, removing it may result in the drainage being unable to cope.

Regardless of the drainage option chosen, any standing water will have no effect on the Sarnafil membrane. However, it is always good practice to try and ensure that a roof drains as efficiently as possible. This prevents the accumulation of airborne dirt and dust and the risk of ponding water affecting plant life.

To assist the designer in the provision of a suitable gravity drainage system and in accordance with BS EN 12056 – 3: 2000 'Gravity drainage Systems inside buildings. Part 3 Roof drainage, layout and calculation and the Building Regulations Approved document Part H, Sarnafil Ltd offer a drainage calculation service based on our standard rainwater outlet range. This has been tested to BS EN 1253 : 2000, to enable the accurate provision of these calculations. For siphonic drainage systems, Sarnafil can provide whole system solutions, with the assistance of Branded Product Partner Dallmer Ltd.

The following information is required to enable Sarnafil to make drainage calculations:

- Can water safely overflow from the roof?
- If yes, the type and size of overflows.
- Limitation on number of outlets.
- Risk factor, in accordance with BS EN 12056 – 3:2000.
- Category of building use, e.g. hospital operating theatre, computer/comms centre, storage for irreplaceable art works or production line, where interruption will be very costly.
- Sketch plan of the roof, showing preferred outlet locations and plan areas, including any vertical walls that could drain onto the roof.

To request a drainage calculation, please click on the Technical Services link (see “Contact Us” section above).