



ZinCo Press Release

Walkways and driveways on roofs

Heavy duty and versatile: Stabilodrain® on roofs

“Managing to achieve the same type of landscape on a roof as on the ground”. With this principle in mind, ZinCo supplies the product Stabilodrain® SD 30 which allows for the installation of permanently reliable walkways and driveways on roofs.

The extremely robust drainage and water storage element consists of thermoformed polystyrene with its drainage capacity tested to DIN EN ISO 12958 standard. It can withstand pressure loads of up to 500 kN/m², and can therefore take the high loads that result from the use of cars and trucks with an overall load of up to 40 t. The product is installed with a slight interlocking overlap using special lateral studs. The underlying roof build-up is so well protected that wheel loaders can be driven on the roof during later construction phases.

Stabilodrain® SD 30 is also suitable for use on inverted insulation as its structure allows for the installation of a walkway build-up that is water vapour permeable. The height of the elements at 32 mm enables Stabilodrain® to span ponding water on roofs with a low to 0° pitch, therefore, ensuring a frost-free build-up.



ZinCo Press Release

If the architect is planning a different type of driveway, for example, a drivable lawn area with ZinCo EcoGreen elements, or if other greenery is planned, the Stabilodrain® can simply be rotated 180°. The studs will then face upwards and the number of hollows will increase for storing storm water.

The versatility of Stabilodrain® is enhanced with the added option of the elements acting as “lost formwork”. A layer of concrete can be laid over the foundations or pressure distribution plates without impairing the underlying continuous drainage.

Architects should simply contact the specialists at ZinCo and tap into their expertise when teasing out project-specific solutions for walkways and driveways on roofs.

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For further information please contact:

ZinCo GmbH

Lise-Meitner-Str. 2

72622 Nuertingen

Germany

Phone: +49 7022 6003-0

e-mail: info@zinco-greenroof.com

www.zinco-greenroof.com



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Photos

If publishing the photos below, please quote the source "ZinCo".



File name: Gehbelag_Stabilodrain.jpg

Caption:

The highly resilient Stabilodrain® is perfect for walkways and driveways and also for beneath green roofs.



File name: Stabilodrain_unter_Gehbelag_1.jpg

Caption:

The structure of Stabilodrain® allows for a build-up that is water vapour permeable and is also suitable for inverted roofs.



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ZinCo Press Release



File name: Köln_Rodenkirchen.jpg

Caption:

Stabilodrain® can withstand loads of up to 50 t/m² . As a result, driving on the roof during the construction phase is not a problem, as can be seen in the photo with this delivery of grit.