



Guardrail system
BARRIER

Fleece

Guardrail system with green roof as superimposed load

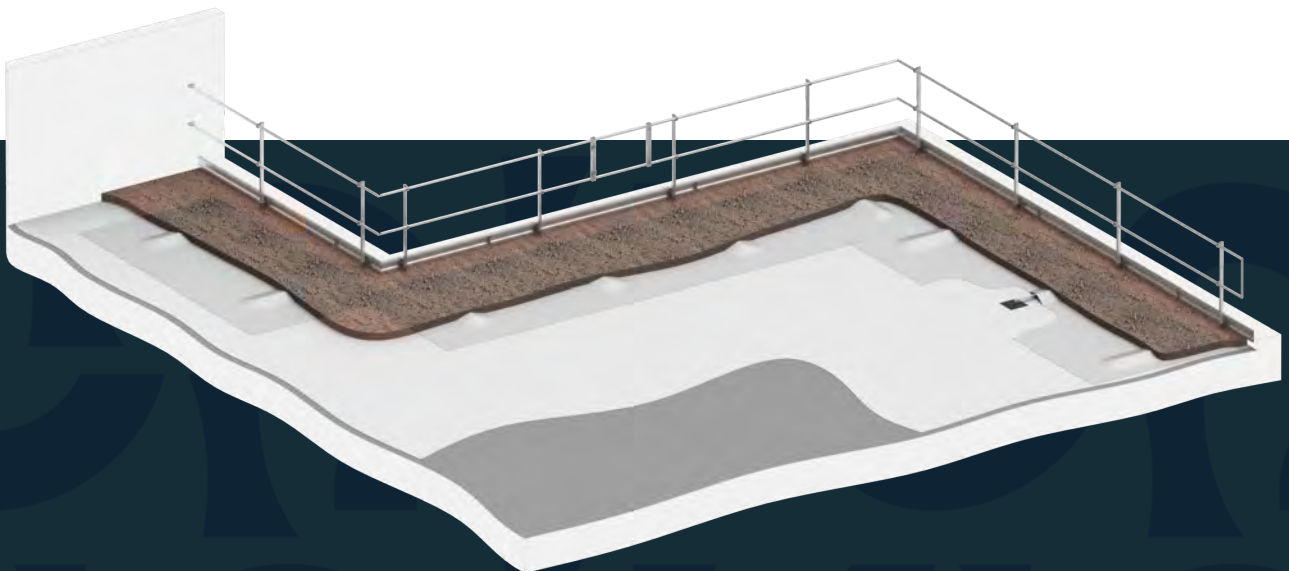
BARRIER FLEECE

Guardrail system with green roof as superimposed load

The BARRIER-FLEECE guardrail system is used wherever fall edges on flat roofs with a pitch (inclination) of up to 10° need to be secured. It forms a barrier to the fall edge, allowing all persons on the roof to move around safely. This system is only suitable in combination with a green roof structure or gravel fill and has been specially developed for this area of application. Thanks to the green roof or gravel fill as a superimposed load, additional weights on the roof are not necessary, and roof penetrations are also a thing of the past.

BENEFITS

- Efficient installation and few roof penetrations thanks to post separations of 2.5 m.
- Optimal adaptability to the structure of the building thanks to the option of surface coating for the guardrails.
- Optimal use of the green roof's net weight, eliminating additional weight on the roof and roof penetrations.
- No trip hazards on the roof thanks to the booms located under the roof structure.



New economical version with the BARRIER-V14 base and an additional post with height adjustment of up to 8 cm and the option of tilting the guardrail by 75°.

Technical product description

The guardrail system, made of aluminium and stainless steel, impresses with its weather resistance and robustness. The guardrail, in combination with the various individual components, such as the specially developed foot units, posts, booms and connectors, form a harmonious overall system. Installation directly in connection with the green roof or gravel fill means that no additional weight is placed on the roof.



TECHNICAL BENEFITS

Minimal roof loading

The guardrail system is installed in combination with the green roof structure or a gravel fill. This means that the weight of the existing roof provides the necessary superimposed load for the system, eliminating the need for additional weight.

Height adjustment and inclination option

Depending on the foot variant selected, height adjustment of up to 12.5 cm is possible. In addition, the guardrail can be pitched at 90° or 75°. For an optimal visual result, the guardrail can also be folded down completely with the respective foot.

Secured access

The optional BARRIER-T30 door set provides optimum secured access to and descent from the flat roof.

Components

BARRIER-Z11

Rating plate BARRIER-Z11 for guardrail system

Material: Aluminium composite, plastic
for marking a BARRIER system



BARRIER-S22-1500

Standard boom, superimposed load, BARRIER-S22-15

Length: 1500 mm

Material: aluminium

Standard boom for System VARIO-load-bearing
Customised lengths on request!



BARRIER-V12

Vario foot unit BARRIER-V12

Material: aluminium, stainless steel V2A (AISI 304),
plastic
VARIO-foot unit without boom/posts, for the formation
of a collective side protection with superimposed load,
including protective plate



BARRIER-V14

Vario foot unit BARRIER-V14

Material: aluminium
VARIO-foot unit without booms/posts, for the formation
of a collective side protection with superimposed load



BARRIER-V92

Vario corner tie BARRIER-V92

Material: aluminium, stainless steel V2A (AISI 304)
To connect two booms



BARRIER-S20-1140

Standard post BARRIER-S20-1140

Length: 1140 mm

Material: aluminium, aluminium-zinc, stainless steel
Standard post for System VARIO including pipe retainer.



BARRIER-S24-1140

Foldable post BARRIER-S24-1140

Length: 1140 mm

Material: aluminium, aluminium-zinc, stainless steel
Foldable post including pipe retainer.



BARRIER-S25-1150

Curved post BARRIER-S25-1150

Length: 1150 mm

Angle: 75°

Material: aluminium, aluminium-zinc
curved post including tube holder for BARRIER-V14.



BARRIER-R11

Aluminium pipe BARRIER-R11

Diameter x wall thickness x length: 36 x 2.5 x 3000 mm

Material: aluminium



BARRIER-R21

Linear tie BARRIER-R21

Material: aluminium, stainless steel (AISI 304)
for connecting two BARRIER-R11 pipes



BARRIER-R31

Corner tie BARRIER-R31

Material: aluminium, stainless steel (AISI 304)
Create a corner with two pipes BARRIER-R11
Angle free adjustable!



BARRIER-R41

Wall tie BARRIER-R41

Substructure: concrete or steel construction
Material: aluminium, stainless steel (AISI 304)
Angle free adjustable!



Components

BARRIER-R51

End seal BARRIER-R51

Material: aluminium, stainless steel (AISI 304)
end seal of two rail pipes BARRIER-R11
Projection of the rail pipe max. 500 mm!



BARRIER-R91

End cap BARRIER-R91

Diameter x thickness: 36 x 2 mm

Packaging unit: 2 pieces

Material: plastic

end cap for rail pipe BARRIER-R11

Projection of the rail pipe max. 350 mm!



Accessory items

BARRIER-F20

Toe board BARRIER-F20

Height x width x length: 170 x 20 x 3000 mm

Material: aluminium

For use when no parapet higher than 150mm is available!



BARRIER-F23

Toe board connection set BARRIER-F23

Packing unit: 1 items

Material: aluminium, stainless steel (AISI 304)
for connecting two BARRIER-F20 toe boards



BARRIER-F24



BARRIER-F22

Toe board bracket BARRIER-F22

Material: aluminium, stainless steel (AISI 304)
for fastening the BARRIER-F20 toe board to the VARIO
BARRIER-V12 foot unit



BARRIER-F25

Toe board bracket BARRIER-F25

Material: aluminium, stainless steel (AISI 304)
for fastening the BARRIER-F20 toe board to the VARIO
BARRIER-V14 foot unit



Accessory items

BARRIER-F26

Corner connector BARRIER-F26

Material: aluminium

Corner connector for skirting board BARRIER-F20



BARRIER-R70

Pipe bracket BARRIER-R70

Material: zinc-aluminium, stainless steel
pipe retainer fo fix the pipes BARRIER-R11



BARRIER-Z23



BARRIER-R22

Expansion compensation BARRIER-R22

Material: aluminium, stainless steel V2A (AISI 304)

Quantity: 2 pcs

Expansion compensation for BARRIER-R11 pipes





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