TRANSLATION

(1) CERTIFICATE

(2) No. of the Certificate: **ZP/B051/21-PZ** replaces ZP/B046/18-PZ

(3) Product: **Edge protection system**
Type: ABS Guard onTop Weight

(4) Manufacturer: **ABS Safety GmbH**

(5) Address: **Gewerbering 3**
47623 Kevelaer
GERMANY

(6) The design of this product and any acceptable variation thereto are specified in the appendix to this certificate.

(7) The Certification Body of DEKRA Testing and Certification GmbH certifies that this product comply with the requirements of the test regulations listed under item 8 below. The test results are recorded in report PB 21-064.

(8) The requirements are assured by compliance with

DIN EN 13374:2019

(9) This certificate relates only to the design and tests of the specified product in accordance to the contemplated requirements. Further requirements applied to the manufacturing process and supply of this product, are not covered by this certificate.

(10) The manufacturer is authorised to apply the mark of conformity to the products that conform to the types examined.

(11) This certificate is valid until 2026-04-08.

DEKRA Testing and Certification GmbH
Bochum, 2021-04-09

Signed: Krökel
Managing director

We confirm the correctness of the translation from the German original.
In the case of arbitration only the German wording shall be valid and binding.

Managing director

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Certification Body: Dinnendahlstraße 9, 44809 Bochum, Germany
Telephone +49.234.3696-400, Fax +49.234.3696-110, DTC-Certification-Body@dekra.com

(12) Appendix to

(13) **Certificate**
ZP/B051/21-PZ

(14) 14.1 Subject and type
Edge protection system
Type: ABS Guard onTop Weight

14.2 Description
The edge-protection system of type ABS Guard onTop Weight (Fig. 1) is used for the collective protection of people against falls from a height. It is mounted on plane surfaces.
The edge protection system is positioned on the structure surface by means of weights, either as hard rubber or concrete weights. Possible assembly surfaces are sheets made of bitumen or PVC foil. Below each weight, an anti-slip mat is placed.
The posts (Fig. 2) are made of a rounded aluminium profile (30 mm x 50 mm x 2 mm). A protective positioning cap (Fig. 3) is inserted into the top end of the post. The guardrail and the intermediate rail (Fig. 4) are made of aluminium pipes (Ø 40 mm). Two ends of rail sections each are joined by rail connectors (Fig. 5-6).
To realise corner structures, a bent aluminium profile as shown in Fig. 6 can be used. As an alternative, an aluminium joint (Fig. 7) can be used, too. This joint also helps to level differences in height on the structure surface.
The edge-protection system or rather the guardrails and intermediate rails are closed off by a rail connector (Fig. 5-6). As an alternative, the flange intended to close off the system and shown in Fig. 9 can be used, too.
The guardrail is 1136 mm high, and the distance from the guardrail to the intermediate rail is 465 mm. The clear opening between the structure surface and the intermediate rail is 591 mm. The mounting of a toe board (Fig. 10) might not be necessary if a parapet is in place which is at least 150 mm high.
If the rails have overhanging ends of more than 400 mm, then the flange must be used to fasten it to the structure (Fig. 9).
For inside fields and fields fastened to the wall, the maximum field size is 2.5 m; for outside fields, the maximum field size is 1.5 m. Fig. 11 shows the components mentioned compiled as assembly variant ABS Dome onTop. Here, the maximum field size is 2.5 m.

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Fig. 1: Edge protection, ABS Guard onTop Weight (assembly example with hard rubber weights)

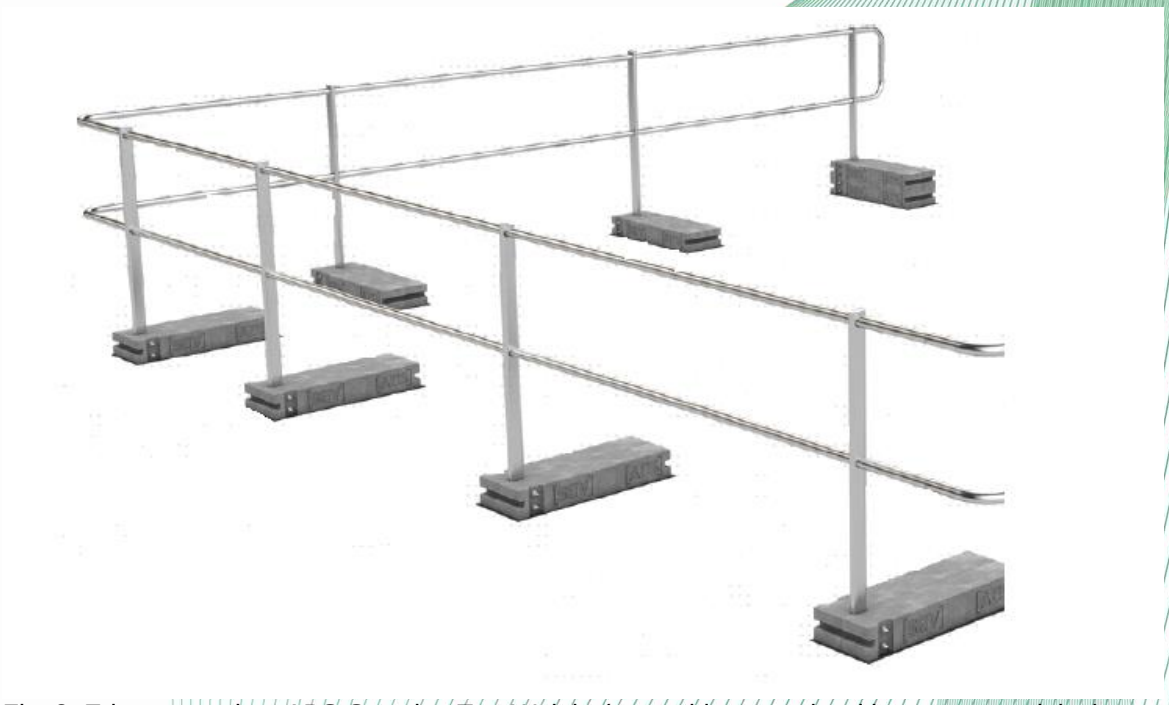

Fig. 2: Edge protection, ABS Guard onTop Weight (assembly example with concrete weights)

Fig. 3: Hard rubber weight and post

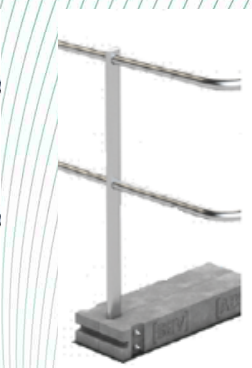

Fig. 4: concrete weight and post

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Fig. 5: Protective cap

Fig. 6: Rail

Fig. 7: Rail connector 1

Fig. 8: Rail connector 2

Fig. 9: Curve

Fig. 10: Joint

Fig. 11: Connector guard rail – intermediate rail

Fig. 12: Rail with flange for wall mounting

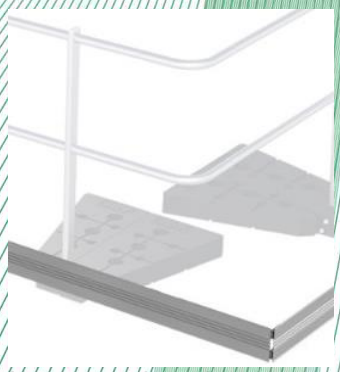

Fig. 13: Toe board

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Fig. 14: Assembly variant of edge-protection system, type Dome onTop Weight

(15) Report

PB 21-064 dd. 2021-04-09

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