Technical Information
ALUFLEX® es

Description:

In the product range of flashing elements for sealing of joints on steep roof perforating and rising construction elements e. g. connections to chimneys, walls, and rails, with the new “es series” the aluminium used hitherto is replaced by an aluminium-synthetic film compound. It is characterised by an excellent weather and corrosion resistance, it is extremely tear proof, and in the same time very flexible and easily laid to the roof line. The lateral edges are folded over to prevent injury while installing by hands.
Aluflex® es is a completely self-adhesive sealing strip made of profiled and colour coated aluminium. For a better handling, Aluflex® es has two pre-determined folding points, approximately 35 and 115 mm from the edge. This asymmetrical preparation of the material permits optimal attachment after the required material has been cut off in the exact size needed. For optimal handling, the adhesive layer is covered with a siliconised, tear-proof, divided and overlapping plastic foil.

Aluflex® es offers following advantages:

- Long lasting and colour fastness by improved material composition
- lateral edges are folded over, no sharp edges
- Easy and straightforward handling
- Extremely tear proof
- Extremely strong connection between self-adhesive strips and aluminium
- Improved mechanical features by compound of aluminium and synthetic film
- High UV and temperature resistance

Materialgarantie hinterlegt beim ZVDH

Made in Germany

Technical data:

Thickness of the corrugated product	approx. 3 mm	
Material extension	approx. 20 %	
Thickness of the aluminium	approx. 0.1 mm	
Fire behaviour	normal inflammable, class E	DIN EN 13501-1
Temperature range	- 30 °C to + 85 °C	
Processing temperature	+ 5 °C to + 35 °C	
Colours	red, brown, black	
Widths	280 mm, other dimensions available on request	
Roll length	5 m	
Packaging units	2 rolls	
Surface preparation	dry, free of dust and dirt	

Processing notes:
Aluflex® es can generally be worked with tools on hand. In addition to a yardstick, pencil and scissors, a rubberized pressure roller (available in construction stores) is also required. Use the scissors to cut Aluflex® es to the appropriate length. The material should then be shaped to fit the general contour of the roof. Remove part of the covering foil from the adhesive layer on the underside and press Aluflex® es into place. After fixing into place, continue pulling off the covering layer and pressing the product into place. Stretch if needed. Afterwards press the sides firmly with the pressure roller.
Strips of Aluflex® es can also be glued on top of one another. Care must be taken, however, that the aluminium is pressed smoothly with the pressure roller on the overlapping contact spots and thus results in a tightly sealed connection. Corners should be sealed with special care. After bonding with Aluflex® es it is important that the upper edge is sealed with an aluminium rail. This can be done with aluminium joint connection rails commonly available in stores, which should first be firmly pegged into the background and then sealed with permanently elastic sealant.
Working with Aluflex® es is not recommendable at temperatures of under + 5 °C or if the background is damp. Furthermore, we strongly recommend closely following the handling instructions enclosed in every package of Aluflex® es!
When roof tiles are used, which have a modified surface, e. g. which is siliconised or supplied with a lotus effect, the adhesive power of the butyl bonding layer has to be tested on this roof tiles.

Storage:
Store dry at temperatures of max. 30 °C without exposure to direct sunlight. Can be stored for 12 months in tightly closed original packing drum.

Application:
Aluflex® es is an eye-appealing solution for connection work on chimneys, walls and all other rising construction elements. Due to its good flexibility, Aluflex® es is generally suitable for all small format roofing materials and very corrugated surfaces. Because of the curves in the aluminium, it is possible to follow and seal the contours of the roof waves.

Dr. Hermann, Anwendungstechnik / Application Technology, Gingen / Fils

BOSIG GmbH D – 73333 Gingen, Brunnenstraße 75 - 77 Telephone. +49(0)7162-40 99-0 Fax +49(0)7162-40 99-200 www.bosig.de
info@bosig.de