ISO-BAR ECO

Façade greening

System with approved fastening element

- low classified thermal bridge effect
- subsequent, flexible installation
- Approval: Z-21.8-2083

Applications

- for greening façades with external thermal insulation composite systems
- thermally separated fastening element with stainless steel adapter for flexible cable support and additional sealing element
- Anchoring in concrete, solid and perforated bricks possible with injection mortar

Properties

- flexible rope holder thanks to adjustable adapter
- variable cable guides/grid geometries
- cut to length on site for perfect adaptation to the local conditions
- small number of variants for insulation thicknesses up to 300 mm
- permanent sealing against moisture
- simple and safe installation thanks to innovative installation tool
- expansion pressure-free installation

Processing

Applying / Processing / Assembling

- Create borehole:
  Pre-drilling with Ø 10 or Ø 12 required. Final drill hole creation with Ø 24 without sieve sleeve and Ø 26 with sieve sleeve
- Clean the drill hole:
  Brushing out and blowing out
- Widening of plaster shell:
  Push the installation tool onto the cut-to-length ISO-BAR ECO as far as it will go. Check the position via the rear opening. In the case of perforated building materials and cavities in solid material, also place a sieve sleeve on the end of the rod. Rotate the ISO-BAR ECO into the drill hole until the collar of the installation tool rests on it. Use a 19 mm open-end spanner for hard/thick plaster coatings. Carefully pull the ISO-BAR ECO out of the drilled hole so that the position of the sieve sleeve remains unchanged.
- Gluing in ISO-BAR ECO:
  Fill the drill hole/screen sleeve from the drill hole or screen sleeve base without cavities. Use an extension tube depending on the insulation thickness. Insert ISO-BAR ECO with the installation tool in place, turning until the collar stops. Observe the curing and processing times according to the ETA bond anchor. After the curing time has elapsed, remove the installation tool axially.
- Mounting attachment part:
  Fit the sealing element. Screw on the mounting adapter hand-tight as far as it will go (compressed height of the seal approx. 5 mm). Lock the end position (anti-rotation lock) using the M6 grub screw on the side (3 mm hexagon socket drive). The adapter is ready to receive the cable system. The cable is locked in place using a cylinder head screw (8 mm hexagon socket drive).

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Notes

- Scope of delivery:
  - ISO-BAR 200/260/320/380
  - Washer Ø with seal
  - Adapter incl. cheese head screw
  - Installation tool
  - Sieve sleeve
  - Mixing nozzle extension
- Additional accessories:
  - ISO-BAR ECO KS Climbing sprout
  - ISO-BAR ECO RLS Round stranded cord 4 mm
  - ISO-BAR ECO SAK Rope cover cap
  - ISO-BAR ECO SK 90° Rope cover cap
- Plant species selection guide:
  -Slinger/Winder: Wisteris, Lonicera, Fallopia, Actinida
  - Leaf and petiole tendrils: Clematis, Tropaeolum
  - Spreading clippers: Jasminum, Rose, Rubus
  - Sprout anchor: Vitis, Ampelopsis

Technical Data

Diameter	Rod 22 mm, washer 60 mm, seal 58 mm
Length	200 mm, 260 mm, 320 mm, 380 mm

All data are average values that were determined under laboratory conditions according to relevant test standards and application tests. Deviations are possible under practical conditions.

Maximum usable length [1)]

	in concrete	in masonry
ISO-BAR ECO 200	160 mm	120 mm
ISO-BAR ECO 260	220 mm	180 mm
ISO-BAR ECO 320	280 mm	240 mm
ISO-BAR ECO 380	340 mm	300 mm

[1)] Maximum effective length = thickness of non-load-bearing layers, e.g. adhesive, plaster, reinforcement, insulating material, etc.

General notes

This information sheet provides only general recommendations. Should you have any queries relating to a specific application, please contact our technical sales advisor or call our hotline: +49 541 601-601. All of the details given are based on our current knowledge and experience and on the assumption that the materials are professionally applied and used for their normal purpose. All of the details are non-binding and do not release users from their duty to undertake their own tests to ensure suitability for the intended application. Due to the effects of different weather, processing and construction site conditions, no guarantee can be given for the general validity of all details. We reserve the right to make changes as a result of further development of the product and applications engineering. The general rules for construction engineering, the valid standards and guidelines, and the technical working guidelines must be observed. The publication of this technical data sheet renders all previous editions of this data sheet void. Please obtain the latest information from our website.