THE ECOLITE®

ECO-HF-M/C SPACER SCREW

Minimal flow of thermal energy and maximum corrosion resistance— in both new builds and renovations

Application

This spacer screw from Ecolite is a primary substructure to which various claddings or secondary substructures can be attached.

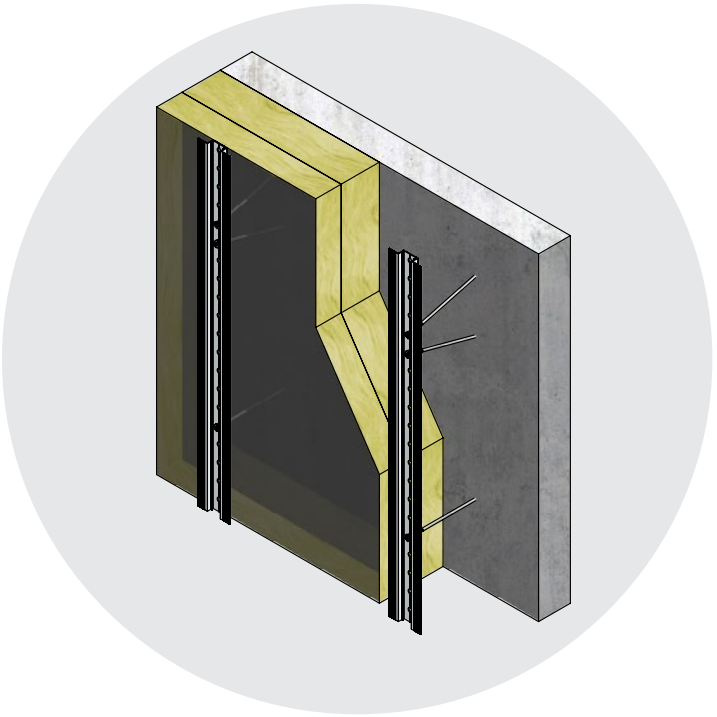
Installation process

- New build: install the thermal insulation
- Renovation: install the second thermal layer over the existing ETICS
- Mark the profile axes of the primary aluminum profiles
- Drill holes for the provisional preassembly
- Push-through installation of ECO-HF-M/C spacer screws
- Align the primary aluminum profiles at the construction depth and tighten the spacer screws
- Install and align the other aluminum profiles
- Transverse installation of the double-threaded screws at an angle of 15° to neutralize the dead load of the façade cladding
- Assemble the secondary aluminum profiles, depending on the cladding

We can help you prepare the statics.

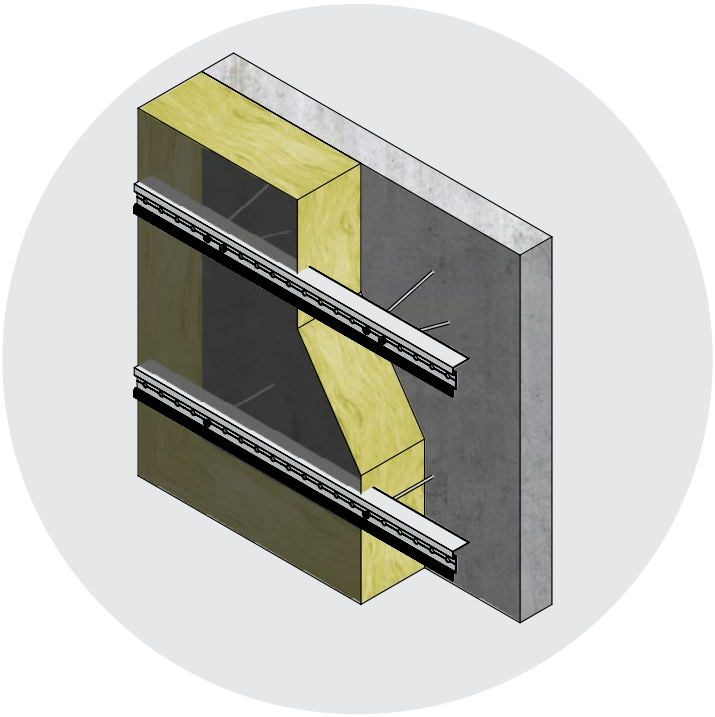
In renovation building

- No dismantling necessary
- Additional insulation can be installed easily
- Improved fire protection with mineral wool as the outer layer
- Optimal long-term durability thanks to rear ventilation
- Broad range of substructures available
- Cladding can be designed freely
  - Plaster mounting panels
  - Panel materials



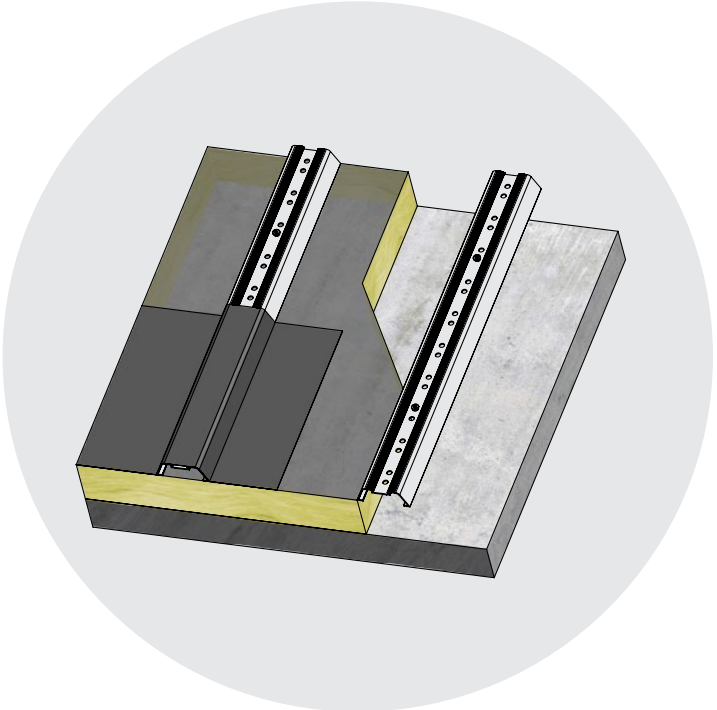
In a new build

- Minimal flow of thermal energy
- Free choice of insulation (mineral wool, PUR, PIR, EPS, XPS, foam glass, etc.)
- Optimal long-term durability thanks to rear ventilation
- Broad range of substructures available
- Cladding can be designed freely
  - Plaster mounting panels
  - Panel materials



In the roof

- Minimal flow of thermal energy
- Free choice of pressure-resistant insulation (mineral wool, PUR, PIR, EPS, XPS, foam glass, etc.)
- Optimal long-term durability thanks to rear ventilation
- Special substructure available
- All panel materials can be used



Screw head

The screw head made from V4A (1.4578) has a heavy-duty SW6 hexagon socket with a thread diameter of 14.6 mm.

Screw

The screw made from V4A (1.4578) has a rolled thread, matched to the head and polyamide plug.

Range

Item no.	Metal	Insulation	Concrete	Length
5210-240	20	140	> 120	240
5210-260	20	160	> 120	260
5210-280	20	180	> 120	280
5210-300	20	200	> 120	300
5210-320	20	220	> 120	320
5210-340	20	240	> 120	340
5210-360	20	260	> 120	360

(All dimensions in mm)

System profiles

Item no.	Description
5101-000	Angle profile 80x52x2.3 mm
5106-000	C profile 100x25x2.3 mm
5111-000	Omega profile large 120x45x30 mm
5112-000	Omega profile small 120x45x20 mm
5116-000	Z profile 45x30x41x2.3 mm
5121-000	Cover profile painted 47x20 mm

Plug

The plug is a high-quality polyamide 6.6, designed to withstand tensile and compressive forces. Thanks to its geometry, it achieves high permissible loads in both concrete and building stone.

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