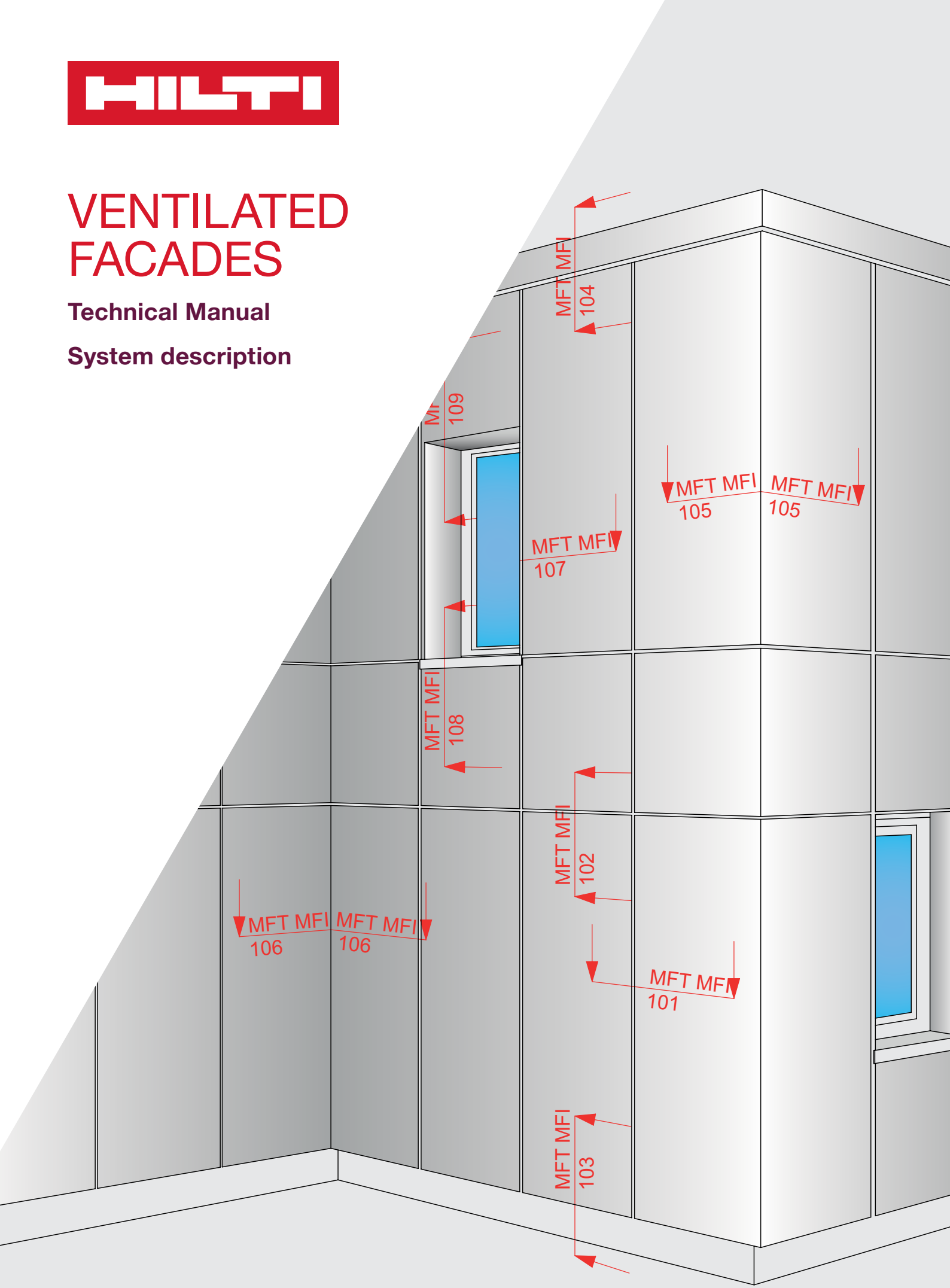
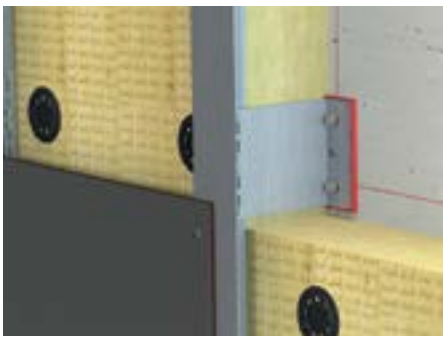
VENTILATED FACADES

Technical Manual

System description



CONTENTS AND OVERVIEW OF SYSTEM DESCRIPTION



MFT-MFI-1L-ADHESIVE-RIVETS-SCREWS

The system consists of aluminum wall brackets and profiles, and is specifically designed for vertical substructures in ventilated facades. Wall brackets are supplied with pre-assembled isolators and, according to the method of installation on the base material – anchors, screws or direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog or on the following pages).

Wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless sliding of the profiles against the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that there are no additional loads applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles on the wall brackets is assisted by a “helping hand”.
The helping hand keeps the profile in position whilst the profile is being fixed with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 40 mm to 270 mm or with isolators from 45 to 275 mm in 30 mm increments each in two different sizes (large and medium). The isolator separates the substructure from the base material to reduce thermal bridging. Bracket lengths over 65 mm come with the isolator pre-assembled, thus saving valuable time.

Advantages

- Flexible design using fixed and flexible points
- Two different sizes of brackets (large and medium)
- 40 mm adjustment capability of the profiles in the wall brackets
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Pre-assembled isolator from 65 mm bracket length
- The isolator separates the substructure from the base material to reduce thermal bridging
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all common cladding materials

MFT-MFI-1L-BOLTS

The system consists of aluminum wall brackets and profiles, and is specifically designed for vertical substructures in ventilated facades by using cassettes as cladding material. Wall brackets are supplied with pre-assembled isolators and, according to the method of installation on the base material – anchors, screws or direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog or on the following pages).

Wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless sliding of the profiles against the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that there are no additional loads applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles on the wall brackets is assisted by a “helping hand”.
The helping hand keeps the profile in position whilst the profile is being fixed with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 40 mm to 270 mm or with isolators from 45 to 275 mm in 30 mm increments, each in two different sizes (large and medium). The isolator separates the substructure from the base material to reduce thermal bridging. Bracket lengths over 65 mm come with the isolator pre-assembled, thus saving valuable time.

The vertical profiles are specially designed for use with cassettes as cladding material. The aluminum bolt supports the cassette and transfers the load to the substructure. The aluminum bolt can be fitted at any time, and it is not necessary to pre-assemble the bolt in the profile. The bolt is fixed to the profile by two clamps. The position of the bolt is adjustable and not fixed by preset grids.

Advantages

- Flexible design using fixed and flexible points
- Two different sizes of brackets (large and medium)
- 40 mm adjustment capability of the profiles in the wall brackets
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Pre-assembled isolator from 65 mm bracket length
- The isolator separates the substructure from the base material to reduce thermal bridging
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all common cladding materials

MFT-MFI-1L-CLAMPS-ALUMINUM

The system consists of aluminum wall brackets and profiles, and is specifically designed for vertical substructures in ventilated facades using terracotta, natural stone or ceramic panels as cladding material.

Wall brackets are supplied with pre-assembled isolators and, according to the method of installation to the base material – anchors, screws or direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalogue or on the following pages).

The wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless sliding of the profiles against the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that no additional loads are applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles against the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fixed with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 40 mm to 270 mm or with isolators from 45 to 275 mm in 30 mm increments, each in two different sizes (large and medium). The isolator separates the substructure from the base material to reduce thermal bridging. Bracket lengths over 65 mm come with the isolator pre-assembled, thus saving valuable time.
The vertical profiles are specially designed to allow use of aluminum clamps to fasten the cladding material. The clamps can be slotted into the profiles so they cannot move or twist. The clamps are fastened to the vertical profile with screws or rivets.

Advantages

- Flexible design using fixed and flexible points
- Two different sizes of brackets (large and medium)
- 40 mm adjustment capability of the profiles in the wall brackets
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Pre-assembled isolator from 65 mm bracket length
- The isolator separates the substructure from the base material to reduce thermal bridging
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Clamps cannot twist and thus ensure high quality and safety

MFT-MFI-1L-CLAMPS-STAINLESS STEEL

The system consists of aluminum wall brackets and profiles, and is specifically designed for vertical substructures in ventilated facades. Wall brackets are supplied with pre-assembled isolators and, according to the method of installation on the base material – anchors, screws or direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog or on the following pages).

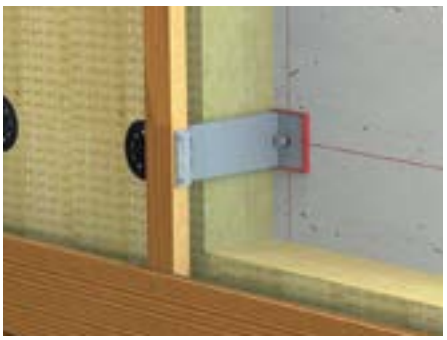
Wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless sliding of the profiles against the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that there are no additional loads applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles on the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fixed with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in sizes from 40 mm to 270 mm or with isolators from 45 to 275 mm in 30 mm increments each in two different sizes (large and medium). The isolator separates the substructure from the base material to reduce thermal bridging. Bracket lengths over 65 mm come with the isolator pre-assembled, thus saving valuable time.

Advantages

- Flexible design using fixed and flexible points
- Two different sizes of brackets (large and medium)
- 40 mm adjustment capability of the profiles in the wall brackets
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Pre-assembled isolator from 65 mm bracket length
- The isolator separates the substructure from the base material to reduce thermal bridging
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all common cladding materials



MFT-MFI-1L-WOOD

The system consists of aluminum wall brackets and profiles, and is specifically designed for vertical substructures in ventilated facades in combination with timber battens. Wall brackets are supplied with pre-assembled isolators and, according to the method of installation on the base material – anchors, screws or direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog or on the following pages). In addition to the wall brackets the system consists of bracket extensions to connect the timber battens to the brackets.

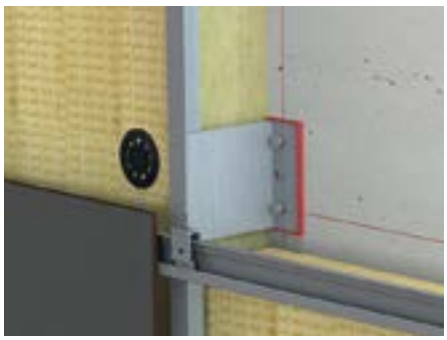
Wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Adjustment of the bracket extensions against the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fastened with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 40 mm to 270 mm or with isolators from 45 to 275 mm in 30 mm increments each in two different sizes (large and medium).
The isolator separates the substructure from the base material to reduce thermal bridging. Bracket lengths over 65 mm come with the isolator pre-assembled, thus saving valuable time. The timber battens are fastened to the bracket extensions with stainless steel screws.

Advantages

- Flexible design using fixed and flexible points
- Two different sizes of brackets (large and medium)
- 40 mm adjustment capability of the profiles in the wall brackets
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Pre-assembled isolator from 65 mm bracket length
- The isolator separates the substructure from the base material to reduce thermal bridging
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all common cladding materials

MFT-MFI-2L-HANGERS-UNDERCUT ANCHORS



The system consists of wall brackets and profiles, and is specifically designed for vertical/horizontal substructures with undercut anchors for concealed fastening in ventilated facades. Wall brackets are supplied with pre-assembled isolators and, according to the method of installation on the base material – anchors, screws or direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog or on the following pages).

Wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless movement of the profiles relative to the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that no additional loads are applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles against the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fastened with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 40 mm to 270 mm or with isolators from 45 to 275 mm in 30 mm increments each in two different sizes (large and medium). The isolator separates the substructure from the base material to reduce thermal bridging. Bracket lengths over 65 mm come with the isolator pre-assembled, thus saving valuable time.

The horizontal hanger profiles are fastened to the vertical profiles for the elongated application. Fixed points are created by positioning 2 screws at the ends of the elongated holes, while flexible points use only 1 screw in the middle of the elongated hole. Hangers are available in three different versions – fixed hangers, leveling hangers and leveling hangers with a hole for fastening to the hanger profile.

Advantages

- Flexible design using fixed and flexible points
- Two different sizes of brackets (large and medium)
- 40 mm adjustment capability of the profiles in the wall brackets
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Pre-assembled isolator from 65 mm bracket length
- The isolator separates the substructure from the base material to reduce thermal bridging
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all common cladding materials

MFT-MFI-2L-STULP

The system consists of wall brackets and profiles, and is specifically designed for vertical/horizontal substructures with an additional horizontal profile for overlapping fastening of the panels in ventilated facades.

Wall brackets are supplied with pre-assembled isolators and, according to the method of installation on the base material – anchors, screws or direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog or on the following pages).

Wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless movement of the profiles relative to the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that no additional loads are applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles relative to the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fastened with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths of 40 mm to 270 mm or with isolators from 45 to 275 mm in 30 mm increments each in two different sizes (large and medium). The isolator separates the substructure from the base material to reduce thermal bridging. Bracket lengths over 65 mm come with the isolator pre-assembled, thus saving valuable time.

The profile for overlapping fastening is supplied with elongated holes. Fixed points are created by positioning 2 screws at the ends of the elongated holes, while flexible points use only 1 screw in the middle of the elongated hole.

Advantages

- Flexible design using fixed and flexible points
- Two different sizes of brackets (large and medium)
- 40 mm adjustment capability of the profiles in the wall brackets
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Pre-assembled isolator from 65 mm bracket length
- The isolator separates the substructure from the base material to reduce thermal bridging
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all common cladding materials
- Overlapping fastening of the panels is possible

MFT-MFI-2L-SZ-20

The system consists of wall brackets and profiles, and is specifically designed for vertical/horizontal substructures with an additional horizontal system profile for fastening ACM cassettes in ventilated facades.
Wall brackets are supplied with pre-assembled isolators and, according to the method of installation on the base material – anchors, screws or direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog or on the following pages).

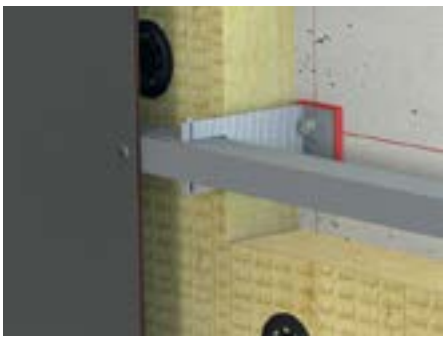
Wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless movement of the profiles relative to the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that no additional loads are applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles relative to the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fastened with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths of 40 mm to 270 mm or with isolators from 45 to 275 mm in 30 mm increments each in two different sizes (large and medium). The isolator separates the substructure from the base material to reduce thermal bridging. Bracket lengths over 65 mm come with the isolator pre-assembled, thus saving valuable time.
The horizontal system profiles (Start, S and Z) are fastened to the vertical substructure with stainless steel screws. The system profile allows the cassettes to be installed with a shadow gap.

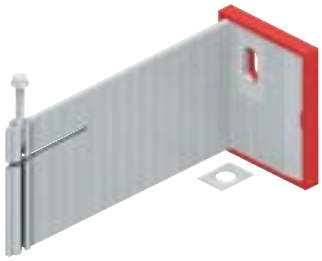
Advantages

- Flexible design using fixed and flexible points
- Two different sizes of brackets (large and medium)
- 40 mm adjustment capability of the profiles in the wall brackets
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Pre-assembled isolator from 65 mm bracket length
- The isolator separates the substructure from the base material to reduce thermal bridging
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all common cladding materials



MFT-FOX H-1L-RIVETS-SCREWS

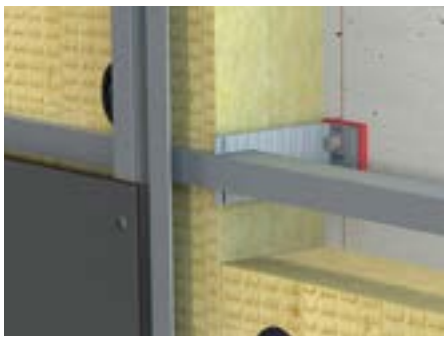
The aluminum MFT-FOX H/HI bracket is specially designed for use in horizontal sub-structures for rain screen facades. The vertically aligned bracket is easy to install in single-layer horizontal solutions as well as in double-layer systems.
Fixed and flexible points are no longer required with this bracket as thermal expansion of the profiles is absorbed by the bracket. Installation of the bracket is therefore not only easier but also more reliable. Incorrectly installed fixed and flexible points thus become a thing of the past.



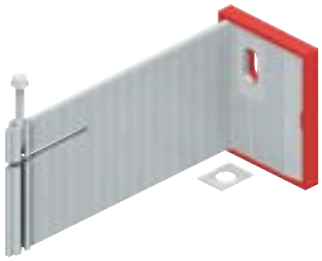
Advantages

- No need for fixed and flexible points
- No different bracket sizes
- Bracket lengths from 55 mm to 300 mm in increments of 20 mm ensure that the right bracket length is always available for your facade project
- Thermal separation thanks to pre-assembled isolator (FOX HI)
- Up to 40 mm profile adjustment flexibility
- Pre-assembled A4 screw for fastening the profile
- Full installation method flexibility – anchors, direct fastening an screw fastening are possible
- Suitable for all common base materials
- Individual design using the PROFIS Facade PC application guarantees a technically sound, cost-efficient solution
- Use of all common cladding materials possible
- Easy to use with wind foil

MFT-FOX-H-2L-ADHESIVE-RIVETS-SCREWS

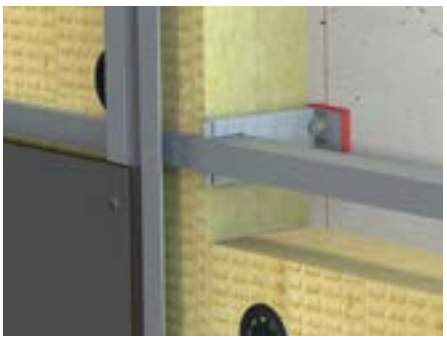


The aluminum MFT-FOX H/HI bracket is specially designed for use in horizontal sub-structures for rain screen facades. The vertically aligned bracket is easy to install in single-layer horizontal solutions as well as in double-layer systems.
Fixed and flexible points are no longer required with this bracket as thermal expansion of the profiles is absorbed by the bracket. Installation of the bracket is therefore not only easier but also more reliable. Incorrectly installed fixed and flexible points thus become a thing of the past.



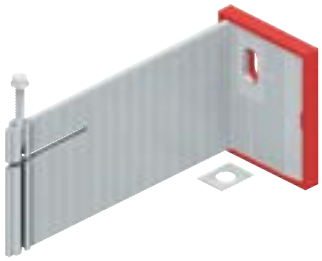
Advantages

- No need for fixed and flexible points
- No different bracket sizes
- Bracket lengths from 55 mm to 300 mm in increments of 20 mm ensure that the right bracket length is always available for your facade project
- Thermal separation thanks to pre-assembled isolator (FOX HI)
- Up to 40 mm profile adjustment flexibility
- Pre-assembled A4 screw for fastening the profile
- Full installation method flexibility – anchors, direct fastening an screw fastening are possible
- Suitable for all common base materials
- Individual design using the PROFIS Facade PC application guarantees a technically sound, cost-efficient solution
- Use of all common cladding materials possible
- Easy to use with wind foil



MFT-FOX H-2L-ADHESIVE-RIVETS-SCREWS-WIND MEMBRANE

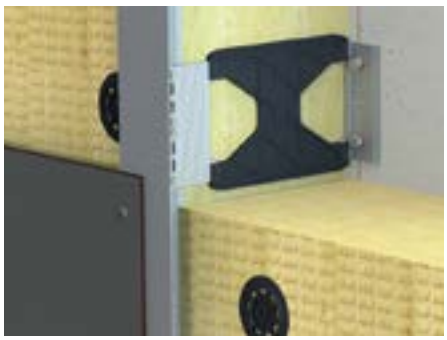
The aluminum MFT-FOX H/HI bracket is specially designed for use in horizontal sub-structures for rain screen facades. The vertically aligned bracket is easy to install in single-layer horizontal solutions as well as in double-layer systems.
Fixed and flexible points are no longer required with this bracket as thermal expansion of the profiles is absorbed by the bracket. Installation of the bracket is therefore not only easier but also more reliable. Incorrectly installed fixed and flexible points thus become a thing of the past.



Advantages

- No need for fixed and flexible points
- No different bracket sizes
- Bracket lengths from 55 mm to 300 mm in increments of 20 mm ensure that the right bracket length is always available for your facade project
- Thermal separation thanks to pre-assembled isolator (FOX HI)
- Up to 40 mm profile adjustment flexibility
- Pre-assembled A4 screw for fastening the profile
- Full installation method flexibility – anchors, direct fastening an screw fastening are possible
- Suitable for all common base materials
- Individual design using the PROFIS Facade PC application guarantees a technically sound, cost-efficient solution
- Use of all common cladding materials possible
- Easy to use with wind foil

MFT-FOX VT-1L-ADHESIVE-RIVETS-SCREWS



The system consists of profiles plus wall brackets that eliminate thermal bridging and is specifically designed for vertical substructures in ventilated facades. The wall brackets are supplied with a powder-coated base plate, according to the method of installation on the base material – anchors, screws and direct fastening – with the appropriate hole geometries in the base plate (available hole geometries are shown in the catalog, on HOL or on the following pages).

The wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless movement of the profiles relative to the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that no additional loads are applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles relative to the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fixed with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 140 mm to 320 mm. To avoid corrosion, the bracket base plate is powder coated.

Advantages

- Flexible design using fixed and flexible points
- 40 mm adjustment capability of the profiles on the wall brackets
- Bracket length from 140 mm to 320 mm
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Powder-coated base plate for corrosion resistance
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all common cladding materials

MFT-FOX VT-1L-BOLTS

The system consists of profiles plus wall brackets that eliminate thermal bridging and is specifically designed for fastening metal cassettes with bolts in ventilated facades. The wall brackets are supplied with a powder-coated base plate, according to the method of installation on the base material – anchors, screws and direct fastening – with the appropriate hole geometries in the base plate (available hole geometries are shown in the catalog, on HOL or on the following pages).

The wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually-frictionless movement of the profiles relative to the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that no additional loads are applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles relative to the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fastened with screws, allowing fast connection to the bracket. With this system,
wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 140 mm to 320 mm.

The base plate of the bracket is powder coated for corrosion resistance.
The vertical cassette support profiles have been specially developed for fastening metal cassettes. An aluminum bolt is fastened by 2 clamps and used to support the cassettes. Its position can be moved along the profile.

Advantages

- Flexible design using fixed and flexible points
- 40 mm adjustment capability of the profiles on the wall brackets
- Bracket length from 140 mm to 320 mm
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Powder-coated base plate for corrosion resistance
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Additional fastening and adjustment of the bolt is possible
- Can be used with all common cladding materials

MFT-FOX VT-1L-CLAMPS-ALUMINUM

The system consists of profiles plus wall brackets that eliminate thermal bridging and is specifically designed for vertical substructures for fastening terracotta, ceramic or natural stone panels with clamps on ventilated facades. The wall brackets are supplied with a powder-coated base plate, according to the method of installation on the base material – anchors, screws and direct fastening – with the appropriate hole geometries in the base plate (available hole geometries are shown in the catalog, on HOL or on the following pages).

The wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially-designed screws for fixed and flexible points. This allows virtually frictionless movement of the profiles relative to the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that no additional loads are applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles relative to the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fastened with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 140 mm to 320 mm.
The base plate of the bracket is powder coated for corrosion resistance.
The vertical profiles are specially designed for fastening the cladding with aluminum clamps which are secured to the profile by screws or rivets. The clamps cannot be twisted so security during the panel fastening operation is much higher.

Advantages

- Flexible design using fixed and flexible points
- 40 mm adjustment capability of the profiles on the wall brackets
- Bracket length from 140 mm to 320 mm
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Powder-coated base plate for resistance to contact corrosion
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Anti-twist security of the clamps during installation of the panels

MFT-FOX VT-1L-CLAMPS-STAINLESS STEEL

The system consists of profiles plus wall brackets that eliminate thermal bridging and is specifically designed for vertical substructures and systems that use visible stainless steel clamps on ventilated facades. The wall brackets are supplied with a powder-coated base plate, according to the method of installation to the base material – anchors, screws and direct fastening – with the appropriate hole geometries in the base plate (available hole geometries are shown in the catalog,
on HOL or on the following pages).

The wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

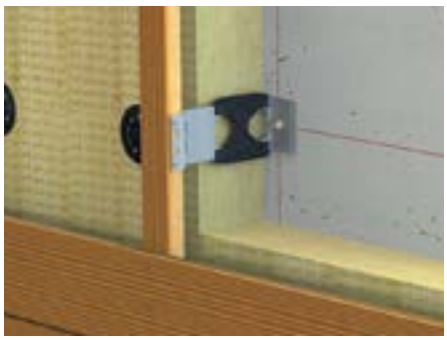
Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless movement of the profiles relative to the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that no additional loads are applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles relative to the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fastened with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 140 mm to 320 mm.
The base plate of the bracket is powder coated for corrosion resistance.
The stainless steel clamps are fastened to the vertical profile by rivets or screws.

Advantages

- Flexible design using fixed and flexible points
- 40 mm adjustment capability of the profiles on the wall brackets
- Bracket length from 140 mm to 320 mm
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Powder-coated base plate for resistance to contact corrosion
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Visible clamp fastening system

MFT-FOX VT-1L-WOOD



The system consists of profiles plus wall brackets that eliminate thermal bridging and is specifically designed for vertical substructures in combination with wooden battens in ventilated facades. The wall brackets are supplied with a powder-coated base plate, according to the method of installation on the base material – anchors, screws and direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog, on HOL or on the following pages).

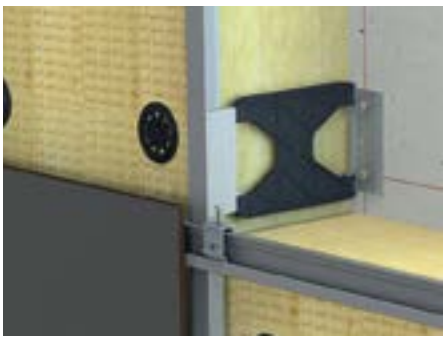
The wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless movement of the profiles relative to the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that no additional loads are applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles relative to the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fastened with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 140 mm to 320 mm.
The base plate of the bracket is powder coated for corrosion resistance.
Wooden battens are fastened to the mounting element with stainless steel screws.

Advantages

- Flexible design using fixed and flexible points
- 40 mm adjustment capability of the profiles on the wall brackets
- Bracket length from 140 mm to 320 mm
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Powder-coated base plate for corrosion resistance
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all common cladding materials



MFT-FOX VT-2L-HANGERS-UNDERCUT ANCHORS

The system consists of profiles plus wall brackets that eliminate thermal bridging and is specifically designed for vertical/horizontal substructures employing undercut anchors for concealed fastening in ventilated facades. The wall brackets are supplied with a powder-coated base plate, according to the method of installation on the base material – anchors, screws and direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog, on HOL or on the following pages).

The wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

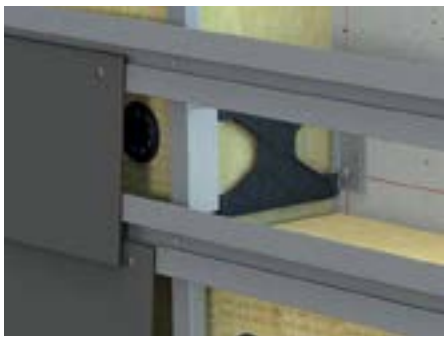
Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless movement of the profiles relative to the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that no additional loads are applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles relative to the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fastened with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 140 mm to 320 mm.
The base plate of the bracket is powder coated for corrosion resistance.
The horizontal hanger profiles for this lengthways application are fastened to the vertical profiles. Fixed points are created by placing 2 screws in the elongated holes while flexible points consist of 1 screw. Hangers are differentiated according to their function, i.e. fixed, leveling and leveling plus fastening.

Advantages

- Flexible design using fixed and flexible points
- 40 mm adjustment capability of the profiles on the wall brackets
- Bracket length from 140 mm to 320 mm
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Powder-coated base plate for corrosion resistance
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all panels with approval for the undercut fastening

MFT-FOX VT-2L-STULP



The system consists of profiles plus wall brackets that eliminate thermal bridging and is specifically designed for vertical/horizontal substructures with additional horizontal profiles for overlapping fastening of the panels in ventilated facades. The wall brackets are supplied with a powder-coated base plate, according to the method of installation to the base material – anchors, screws and direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog, on HOL or on the following pages).

The wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless movement of the profiles relative to the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that no additional loads are applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles against the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fastened with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 140 mm to 320 mm.
The base plate of the bracket is powder coated for corrosion resistance.
The profile for overlapping fastening is supplied with elongated holes. Fixed points are created by placing 2 screws in the elongated holes while flexible points consist of 1 screw.

Advantages

- Flexible design using fixed and flexible points
- 40 mm adjustment capability of the profiles on the wall brackets
- Bracket length from 140 mm to 320 mm
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Powder-coated base plate for corrosion resistance
- Easy to fasten panels with a shadow gap
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Overlapping fastening of the panels

MFT-FOX VT-2L-SZ-20

The system consists of profiles plus wall brackets that eliminate thermal bridging and is specifically designed for vertical/horizontal substructures with additional horizontal system profiles for fastening ACM cassettes in ventilated facades. The wall brackets are supplied with a powder-coated base plate, according to the method of installation on the base material – anchors, screws and direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog, on HOL or on the following pages).

The wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually frictionless movement of the profiles relative to the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that no additional loads are applied to the substructure by expansion forces exerted by the profile.

Adjustment of the profiles against the wall brackets is assisted by a “helping hand”. The helping hand keeps the profile in position whilst the profile is being fastened with screws, allowing fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly compensated. The wall brackets are available in lengths from 140 mm to 320 mm.
The base plate of the bracket is powder coated for corrosion resistance.
The horizontal system profiles (Start, S and Z) are fastened to the vertical substructure with stainless steel screws. The system profiles allow the cassettes to be fastened with a shadow gap.

Advantages

- Flexible design using fixed and flexible points
- 40 mm adjustment capability of the profiles on the wall brackets
- Bracket length from 140 mm to 320 mm
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Powder-coated base plate for corrosion resistance
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all panels with approval for the undercut fastening

MFT-FOX HT-1L-RIVETS-SCREWS

The system consists of profiles plus wall brackets that eliminate thermal bridging and is specifically designed for horizontal substructures in ventilated facades. Due the vertical fasting of the brackets, optimal load transfer to the base material can be realized. The wall brackets are supplied with a powder-coated base plate, according to the method of installation to the base material – anchors, screws and direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog, on HOL or on the following pages).

In addition to the pre-assembled connection screw, the bracket offers an easy and efficient installation method. Fixed and flexible points are not required as thermal expansion of the profile is taken up by the flexibility of the bracket. The bracket offers a quick and safe method of fastening – incorrectly installed brackets become a thing of the past.
An additional washer allows fastening in accordance with Eurocode with vertical adjustment of the bracket (anchor and direct fastening).

Advantages

- Flexible design using fixed and flexible points is no longer required
- Bracket length from 140 mm to 320 mm
- Powder-coated base plate for resistance to contact corrosion
- 40 mm adjustment capability of the profiles on the wall brackets
- Pre-assembled fastening screw in A4 material
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all common cladding materials

MFT-FOX HT-2L-ADHESIVE-RIVETS-SCREWS

The system consists of profiles plus wall brackets that eliminate thermal bridging and is specifically designed for horizontal/vertical substructures in ventilated facades. Thanks to the vertical fasting of the brackets, optimal load transfer to the base material can be realized. The wall brackets are supplied with a powder-coated base plate, according to the method of installation to the base material – anchors, screws and direct fastening – with different hole geometries in the base plate (available hole geometries are shown in the catalog, on HOL or on the following pages).

In addition to the pre-assembled connecting screw, the bracket offers an easy and efficient method of installation. Fixed and flexible points are not required as the thermal expansion of the profile is taken up by the flexibility of the bracket. The bracket offers a quick and safe means of fastening – incorrectly installed brackets become a thing of the past.
An additional washer allows fastening in accordance with Eurocode with vertical adjustment of the bracket (anchor and direct fastening).

For double-layer systems the vertical profiles (2nd layer) are supplied with elongated holes to allow the vertical profiles to be fastened to the horizontal profiles (1st layer) free of forces of constraint.
Fixed points are created by placing 2 screws in the elongated holes while flexible points consist of 1 screw.

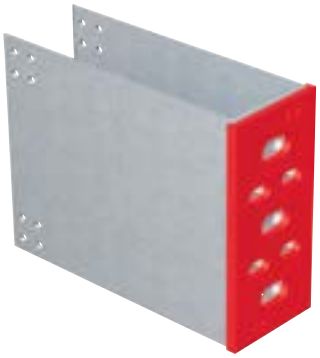
Advantages

- Flexible design using fixed and flexible points is no longer required
- Bracket length from 140 mm to 320 mm
- Powder-coated base plate for resistance to contact corrosion
- 40 mm adjustment capability of the profiles on the wall brackets
- Pre-assembled fastening screw in A4 material
- Brackets can be installed using a range of methods – anchors, screws or direct fastening
- Substructures can be designed with PROFIS Facade to create technically sound, cost-efficient solutions
- Can be used with all common cladding materials

MFT-S2S-1L-ADHESIVE-RIVETS-SCREWS

The system consists of aluminum wall brackets and profiles, and is specifically designed for vertical substructures in ventilated facade. Wall brackets are supplied with pre-assembled isolators and with different hole geometries in the base plate (for installing anchors or screws).

Support brackets are designed for bearing the loads coming from the ventilated facade (self and wind load). When needed, the flexible point brackets are used in order to fix the vertical profiles, holding up the wind loads and allowing the thermal expansion of the profile.



Vertical profiles are connected to the support brackets with specially designed screws for ventilated facade which avoids creating compressing forces from the profile against the wall brackets and keeps the profile connected by the support bracket in place.

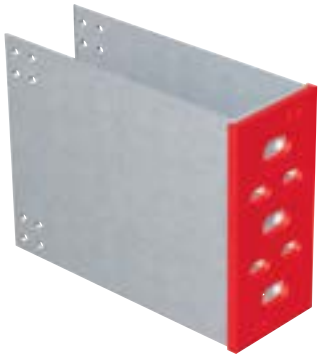
Additionally, each profile will be connected to each other through the connector which will be fixed to one of the box profiles in order to allow the second profile to expand. Each bracket in combination with the profile will allow an adjustment in order to align the profile with the wall distance needed along the ventilated facade. With this system and depending on the profile we can have different tolerances in order to minimize the wall irregularities and install the cladding material as designed.
Wall brackets are available from 80 mm to 300 mm or without isolators from 75 mm to 295 mm, having available these items in steps of 20 mm. The isolator separates the substructure from the base material to reduce the thermal bridge and avoiding future corrosion problems.

Advantages

- Only one support bracket per profile needed
- Profiles up to 4 m length fixed in only one support bracket
- Support bracket will be fixed only in the slab or the steel beam
- Different adjustment capability depending on the profile used
- Pre-assembled isolator
- The isolator separates the substructure from the base material reducing the thermal bridge
- Substructures can be designed with PROFIS facade generating technical and economically optimized solutions
- Can be used with all common cladding material
- Low installation time needed, saving labor costs

MFT-S2S-2L-HANGERS

The system consists of aluminum wall brackets and profiles, and is specifically designed for vertical/horizontal substructures with undercut anchors for invisible fixing in ventilated facades. Wall brackets are supplied with pre-assembled isolators and with different hole geometries in the base plate (for installing anchors or screws). Support brackets are designed for bearing the loads coming from the ventilated facade (self and wind load). When needed, the flexible point brackets are used in order to fix the vertical profiles, holding up the wind loads and allowing the thermal expansion of the profile.



Vertical profiles are connected to the support brackets with specially designed screws for ventilated faqade which avoids creating compressing forces from the profile against the wall brackets and keeps the profile connected by the support bracket in place.

Additionally, each profile will be connected to each other through the connector which will be fixed to one of the box profiles in order to allow the second profile to expand. Each bracket in combination with the profile will allow an adjustment in order to align the profile with the wall distance needed along the ventilated faqade. With this system and depending on the profile we can have different tolerances in order to minimize the wall irregularities and install the cladding material as designed.
Wall brackets are available from 80 mm to 300 mm or without isolators from 75 mm to 295 mm, having available this items in steps of 20 mm. The isolator separates the substructure from the base material to reduce the thermal bridge and avoiding future corrosion problems.

The horizontal hanger profiles with elongated application will be fixed on the vertical profiles. Fix points will be performed with 2 screws in the elongated holes; flexible points with 1 screw. Hangers are available in three different variants - fix-hangers; leveling-hangers and leveling-hangers with a fixation hole to the hanger profile.

Advantages

- Only one support bracket per profile needed
- Profiles up to 4 m length fixed in only one support bracket
- Support bracket will be fixed only in the slab or the steel beam
- Different adjustment capability depending on the profile used
- Pre-assembled isolator
- The isolator separates the substructure from the base material reducing the thermal bridge
- Substructures can be designed with PROFIS faqade generating technical and economically optimized solutions
- Can be used with all common cladding material
- Low installation time needed, saving labor costs

MFT-FOX VTR-1L-ADHESIVE-RIVETS-SCREWS

The system consists of stainless steel wall brackets and profiles, and is specifically designed for vertical substructures in ventilated facades. Wall brackets with an additional isolator pad and fastening holes geometries in the base plate which also the usage of every standard Hilti anchor.

Wall brackets are designed with fix or flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually-frictionless sliding of the profiles against the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that there are no additional loads on the substructure from the profile‘s expansion forces.

The wall brackets are available from 120 mm to 300 mm 20 mm increments each in two different sizes (large and medium). The isolator pad separates the substructure from the base material to reduce thermal bridging.

Advantages

- Flexible design using fixed and flexible points
- Two different sizes of brackets (large and medium)
- Bracket length 120 - 300 mm
- Stainless Steel A4 material
- 40 mm adjustment capability of the profiles in the wall brackets
- Brackets can be mounted with every standard Hilti anchor
- The isolator separates the substructure from the base material to reduce thermal bridging
- Substructures can be designed with PROFIS Facade to generate technically-sound and economically-optimised solutions
- Can be used with all common cladding materials

MFT-FOX VTR-2L-HANGERS-KEIL-TERGO-FISCHER

The system consists of stainless steel wall brackets and profiles, and is specifically designed for vertical/horizontal substructures with undercut anchors for invisible fixing in ventilated facades. Wall brackets with an additional isolator pad and fastening holes geometries in the base plate which also the usage of every standard Hilti anchor.

Wall brackets are designed with both fixed and flexible points to allow for thermal expansion of the profile. The fixed point takes the weight of the panels and substructure and the proportional wind loads, while the flexible point only assumes the proportional wind loads.

Vertical profiles are connected to the wall brackets with specially designed screws for fixed and flexible points. This allows virtually-frictionless sliding of the profiles against the wall brackets and keeps the profile connected by the fixed point in place. The flexible point makes sure that there are no additional loads on the substructure from the profile‘s expansion forces.

The wall brackets are available from 120 mm to 300 mm 20 mm increments each in two different sizes (large and medium). The isolator pad separates the substructure from the base material to reduce thermal bridging.

The horizontal hanger profiles with elongated application will be fixed on the vertical profiles. Fix points will be realized with 2 screws in the elongated holes; flexible points with I screw. Hangers are available in three different variants - fix-hangers; leveling-hangers and leveling-hangers with a fixation hole to the hanger profile.

Advantages

- Flexible design using fixed and flexible points
- Two different sizes of brackets (large and medium)
- Bracket length 120 - 300 mm
- Stainless Steel A4 material
- 40 mm adjustment capability of the profiles in the wall brackets
- Brackets can be mounted with every standard Hilti anchor
- The isolator separates the substructure from the base material to reduce thermal bridging
- Substructures can be designed with PROFIS Facade to generate technically-sound and economically-optimised solutionsch
- Can be used with all common cladding materials