MFT-FOX-VT-1L-HIDDEN CLAMPS

Hilti facade system
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MFT-FOX-VT-1L-hidden clamps

Ceramic
APPLICATION AND DESCRIPTION

MFT-FOX-VT-1L-hidden clamps

The system consists of thermal bridge free wall brackets and aluminum profiles, and is specifically designed for vertical substructures in ventilated façade by using stainless steel clamps to fix the cladding material to the substructure. The cladding material is slotted on the bottom and top side, providing invisible fixing method.

Wall brackets are supplied with 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 on Hilti website 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 on the substructure from the profile's expansion forces.

The adjustment of the profiles against the wall brackets is supported with a ‘helping hand’. The helping hand keeps the profile in position whilst the profile is being fixed with screws, allowing a fast connection to the bracket. With this system, wall tolerances of up to 40 mm can be perfectly balanced. The wall brackets are available from 140 mm to 320 mm.

To avoid corrosion the base plate of the bracket is powder coated. The stainless steel clamps will be fixed by rivets or screws to the vertical profile.

Advantages:
- Invisible panel fixation
- Flexible design using fixed and flexible points
- Bracket length from 140 mm to 320 mm
- 40 mm adjustment capability of the profiles in the wall brackets
- Avoiding contact corrosion by powder coated base plate
- Brackets can be mounted using a range of methods - anchors, screws or direct fastening
- Substructures can be designed with PROFIS Façade to generate technically sound and economically-optimized solutions
VIEW OF CLADDING
MFT-FOX VT 101

Legend:
1. Base material
2. Anchor acc. to static
3. Bracket and isolator
4. Insulation
5. Fixing insulation
6. Profile
7. Self drilling screw
8. Ventilation gap
9. Hidden clamp
10. Cladding
MFT-FOX VT 102

Legend:
1. Base material
2. Anchor acc. to static
3. Bracket and isolator
4. Insulation
5. Fixing insulation
6. Profile
7. Self drilling screw
8. Ventilation gap
9. Hidden clamp
10. Adhesive
11. Cladding

Vertical section-fixed point
MFT-FOX VT 103

Legend:
① Base material
② Anchor acc. to static
③ Bracket and isolator
④ Insulation
⑤ Fixing insulation
⑥ Profile
⑦ Self drilling screw
⑧ Ventilation gap
⑨ Hidden clamp
⑩ Adhesive
⑪ Cladding
Legend:
1. Base material
2. Anchor acc. to static
3. Bracket and isolator
4. Insulation
5. Fixing insulation
6. Profile
7. Self drilling screw
8. Ventilation gap
9. Hidden clamp
10. Adhesive
11. Cladding

MFT-FOX VT 104
MFT-FOX VT 105

Legend:

1. Base material
2. Anchor acc. to static
3. Bracket and isolator
4. Insulation
5. Fixing insulation
6. Profile
7. Self drilling screw
8. Ventilation gap
9. Hidden clamp
10. Adhesive

This is an interactive page! Click on the move-back button to jump back to the VIEW OF CLADDING.
Legend:

1. Base material
2. Anchor acc. to static
3. Bracket and isolator
4. Insulation
5. Fixing insulation
6. Profile
7. Self drilling screw
8. Ventilation gap
9. Hidden clamp
10. Cladding

This is an interactive page! Click on the move-back button to jump back to the VIEW OF CLADDING.
MFT-FOX VT 107

Legend:
1. Base material
2. Anchor acc. to static
3. Bracket and isolator
4. Insulation
5. Fixing insulation
6. Profile
7. Self drilling screw
8. Ventilation gap
9. Hidden clamp
10. Cladding

This is an interactive page! Click on the move-back button to jump back to the VIEW OF CLADDING.
MFT-FOX VT 107

Legend:
1. Base material
2. Anchor acc. to static
3. Bracket and isolator
4. Insulation
5. Fixing insulation
6. Profile
7. Self drilling screw
8. Ventilation gap
9. Hidden clamp
10. Cladding

This is an interactive page! Click on the move-back button to jump back to the VIEW OF CLADDING.
Legend:
1. Base material
2. Anchor acc. to static
3. Bracket and isolator
4. Insulation
5. Fixing insulation
6. Profile
7. Self drilling screw
8. Ventilation gap
9. Hidden clamp
10. Adhesive
11. Cladding

MFT-FOX VT 108
Legend:

1. Base material
2. Anchor acc. to static
3. Bracket and isolator
4. Insulation
5. Fixing insulation
6. Profile
7. Self drilling screw
8. Ventilation gap
9. Hidden clamp
10. Adhesive
11. Cladding
This is an interactive page! Click on the move-back button to jump back to the VIEW OF CLADDING.
### BRACKETS RANGE

**MFT-FOX VT Medium**

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<th>Order Description</th>
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<tr>
<td>MFT-FOX VT 160 M 11</td>
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**MFT-FOX VT Large**

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## Bracket Profile Adjustment

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<th>Profiles</th>
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<th>MFT-T 40x80x1.8 6m</th>
<th>MFT-L 60x40x1.8 6m</th>
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* The distance shown is valid for profile thickness of 1.8 mm..
# PRODUCTS RANGE

## Bracket fasteners

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<tr>
<th>Description</th>
<th>Image</th>
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<td>HST-R</td>
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## Direct fastening

<table>
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## Brackets

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<td>PRODUCTS RANGE</td>
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