MFT-FOX-HT-1L-RIVETS-SCREWS
Hilti facade system
CONTENT AND OVERVIEW

Panels 3

Application and Description 4

System Drawings 5-17

Brackets Range
MFT-FOX HT Medium 18
MFT-FOX HT Large 19

Bracket Profile Adjustment 20

Products Range 21-22
APPLICATION AND DESCRIPTION

MFT-FOX-HT-1L-rivets-screws

The system consists of thermal free wall brackets and profiles, and is specifically designed for horizontal substructures in ventilated facades. Due the vertical fastening of the brackets an optimal load transfer to the base material can be realized. 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 in the catalogue, on HOL or on the following pages).

In addition to the pre-mounted connection screw the bracket offers an easy and efficient way of mounting. Fix and flexible points are not required as the thermal expansion of the profile will be covered by the flexibility of the bracket. The bracket offers a quick and safe fastening; wrong installed brackets are a thing of the past. An additional washer allows a fastening according to Eurocode with vertical adjustment of the bracket (anchor and direct fastening).

Advantages:
•  The design of fix and flexible points is not required anymore
•  Bracket length from 140 mm to 320 mm
•  Avoiding contact corrosion by powder coated base plate
•  40 mm adjustment capability of the profiles in the wall brackets
•  Pre-mounted fastening screw in A4 material
•  Brackets can be mounted using a range of methods - anchors, screws or direct fastening
•  Substructures can be designed with PROFIS Fagade to generate technically-sound and economically-optimized solutions
•  Can be used with all common cladding materials
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. Cladding
10. Fixing 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. Cladding
10. Fixing cladding

MFT-FOX HT 102
MFT-FOX HT 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. Cladding
10. Fixing 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. Cladding
10. Fixing cladding

MFT-FOX HT 104
MFT-FOX HT 106

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 Cladding
10 Fixing cladding
MFT-FOX HT 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. Cladding
10. Fixing 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. Cladding
10. Fixing cladding
MFT-FOX HT 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 Cladding
⑩ Fixing cladding

This is an interactive page! Click on the move-back button to jump back to the VIEW OF CLADDING.
MFT-FOX HT 109

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 Cladding
⑩ Fixing cladding

This is an interactive page! Click on the move-back button to jump back to the VIEW OF CLADDING.
MFT-FOX HT 109

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. Cladding
10. Fixing 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. Cladding
10. Fixing cladding
## BRACKETS RANGE

### MFT-FOX HT Medium

<table>
<thead>
<tr>
<th>Order Description</th>
<th>Item No.</th>
<th>Length</th>
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</thead>
<tbody>
<tr>
<td><strong>DIRECT FASTENING D=5 mm</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MFT-FOX HT 140 M 5</td>
<td>2096993</td>
<td>140 mm</td>
</tr>
<tr>
<td>MFT-FOX HT 160 M 5</td>
<td>2096996</td>
<td>160 mm</td>
</tr>
<tr>
<td>MFT-FOX HT 180 M 5</td>
<td>2096999</td>
<td>180 mm</td>
</tr>
<tr>
<td>MFT-FOX HT 200 M 5</td>
<td>2097002</td>
<td>200 mm</td>
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<tr>
<td><strong>SCREWS D=6.5 mm</strong></td>
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<tr>
<td>MFT-FOX HT 140 M 6.5</td>
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</tr>
<tr>
<td>MFT-FOX HT 160 M 6.5</td>
<td>2096997</td>
<td>160 mm</td>
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<tr>
<td>MFT-FOX HT 180 M 6.5</td>
<td>2097000</td>
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<tr>
<td>MFT-FOX HT 200 M 6.5</td>
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<td><strong>ANCHORS D=11 mm</strong></td>
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<tr>
<td>MFT-FOX HT 140 M 11</td>
<td>2096995</td>
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<td>MFT-FOX HT 160 M 11</td>
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<td>MFT-FOX HT 180 M 11</td>
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<tr>
<td>MFT-FOX HT 200 M 11</td>
<td>2097004</td>
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This is an interactive page! Click on the move-back button to jump back to the CONTENT AND OVERVIEW.
### MFT-FOX HT Large

**Order Description** | **Item No.** | **Length** |
--- | --- | --- |
**DIRECT FASTENING D=5 mm** |  |  |
MFT-FOX HT 220 L 5 | 2097005 | 220 mm |
MFT-FOX HT 240 L 5 | 2097008 | 240 mm |
MFT-FOX HT 260 L 5 | 2097011 | 260 mm |
MFT-FOX HT 280 L 5 | 2097014 | 280 mm |
MFT-FOX HT 300 L 5 | 2097017 | 300 mm |
MFT-FOX HT 320 L 5 | 2097020 | 320 mm |
**SCREWS D=6,5 mm** |  |  |
MFT-FOX HT 220 L 6,5 | 2097006 | 220 mm |
MFT-FOX HT 240 L 6,5 | 2097009 | 240 mm |
MFT-FOX HT 260 L 6,5 | 2097012 | 260 mm |
MFT-FOX HT 280 L 6,5 | 2097015 | 280 mm |
MFT-FOX HT 300 L 6,5 | 2097018 | 300 mm |
MFT-FOX HT 320 L 6,5 | 2097021 | 320 mm |
**ANCHORS D=11 mm** |  |  |
MFT-FOX HT 220 L 11 | 2097007 | 220 mm |
MFT-FOX HT 240 L 11 | 2097010 | 240 mm |
MFT-FOX HT 260 L 11 | 2097013 | 260 mm |
MFT-FOX HT 280 L 11 | 2097016 | 280 mm |
MFT-FOX HT 300 L 11 | 2097019 | 300 mm |
MFT-FOX HT 320 L 11 | 2097022 | 320 mm |
MFT-FOX HI 300 M 11 | 2084357 | 300 mm |
## Bracket Profile Adjustment

<table>
<thead>
<tr>
<th>Profiles</th>
<th>MFT-T 60x80x1,8 6m</th>
<th>MFT-T 40x80x1,8 6m</th>
<th>MFT-L 60x40x1,8 6m</th>
<th>MFT-L 40x40x1,8 6m</th>
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<tbody>
<tr>
<td>Brackets</td>
<td>A min*</td>
<td>A max*</td>
<td>A min*</td>
<td>A max*</td>
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<td>MFT-FOX HT 140 M 6,5/11</td>
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<tr>
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<tr>
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<tr>
<td>MFT-FOX HT 240 L 6,5/11</td>
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<td>MFT-FOX HT 260 L 6,5/11</td>
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* The distance shown is valid for profile thickness of 1,8 mm..
# PRODUCTS RANGE

## Bracket fasteners

<table>
<thead>
<tr>
<th>Bracket fasteners</th>
<th>Image</th>
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<tbody>
<tr>
<td>HUS-HR</td>
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<td>HRD-H</td>
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<tr>
<td>HST-R</td>
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<tr>
<td>HSA-R</td>
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<td>HIT-HY 270</td>
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<tr>
<td>HIT-HY 200-A</td>
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<tr>
<td>S-MP 53S</td>
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<tr>
<td>S-MD 51S / S-MD 53S / S-MD 55S</td>
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## Direct fastening

## Brackets

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<tr>
<th>Brackets</th>
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<td>MFT-FOX HT Medium</td>
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<tr>
<td>MFT-FOX HT Large</td>
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<table>
<thead>
<tr>
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<tbody>
<tr>
<td>MFT-L</td>
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<tr>
<td>MFT-T</td>
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<tr>
<td>Profile fastener</td>
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<tr>
<th>Accessories</th>
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