Trimoterm FTV fireproof panels are used for a wide range of external façade cladding, internal partition walls, fire walls and ceilings for either leisure, commercial, industrial, hygienic and other facilities. Panels can be installed in either vertical or horizontal orientation.

**External Profile Types:**

- **S - profile (standard profile)**
- **V - profile (v)**
- **V - profile (v2)**
- **Smooth profile (G)**
- **Micro-lined profile (m)**
- **Micro-lined profile (m2)**
- **Multi vario (X)**

**Internal Profile Types:**

- **S - profile (standard profile)**
- **V - profile (v)**
- **V - profile (v2)**
- **Smooth profile (G)**
- **Smooth profile (g)**
- **Micro-lined profile (m)**
- **Micro-lined profile (m2)**

Side A is usually the external side of a panel. Thickness selection for the panels: 50, 60, 80, 100, 120, 133, 150, 172, 200, 240 mm. Non-standard panel widths can be made by special request. Panel lengths range up to 14 m. Additional options and variations of "v" profiles are available upon request. For all other non-standard module width sizes and profile finish availabilities please contact Trimo.

*Calculation of allowed spans is made by the SandStat software.*
### Trimoterm FTV

<table>
<thead>
<tr>
<th>Panel thickness [mm]</th>
<th>50</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>133</th>
<th>150</th>
<th>172</th>
<th>200</th>
<th>240</th>
</tr>
</thead>
<tbody>
<tr>
<td>El Fire resistance class (EN 13501-2)</td>
<td>/</td>
<td>E-30</td>
<td>E-60</td>
<td>E-120</td>
<td>E-180</td>
<td>E-240</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Combustibility of insulant core (EN 13501-1)</td>
<td>Non - combustible, class A1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rw Sound reduction [dB] (EN ISO 10140-3)</td>
<td>30 (-2, -3)</td>
<td>31 (-2, -3)</td>
<td>32 (-1, -3)</td>
<td>32 (-1, -2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cover width [mm]</td>
<td>600 - 1200</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Panel length [m]</td>
<td>up to 14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Weight FTV [kg/m²]</th>
<th>Fe 0.6/Fe 0.6</th>
<th>16.3</th>
<th>17.5</th>
<th>19.9</th>
<th>22.3</th>
<th>24.7</th>
<th>26.3</th>
<th>28.3</th>
<th>31.0</th>
<th>34.3</th>
<th>39.1</th>
</tr>
</thead>
<tbody>
<tr>
<td>U Thermal transmittance [W/m²K] (EN 14509)</td>
<td>n/a</td>
<td>0.75</td>
<td>0.64</td>
<td>0.49</td>
<td>0.40</td>
<td>0.33</td>
<td>0.30</td>
<td>0.27</td>
<td>0.24</td>
<td>0.20</td>
<td>0.17</td>
</tr>
<tr>
<td>Typical single spans [m]</td>
<td>n/a</td>
<td>3.09</td>
<td>3.72</td>
<td>4.38</td>
<td>4.88</td>
<td>5.34</td>
<td>5.59</td>
<td>5.88</td>
<td>6.22</td>
<td>6.57</td>
<td>7.05</td>
</tr>
</tbody>
</table>

### Trimoterm Power

Trimoterm Power is a new range of highly thermal and structural efficient roof and façade panels. Trimoterm Power brand includes two products:

**Trimoterm Power T** - panels with higher thermal insulation,
**Trimoterm Power S** - panels with higher structural spanning capabilities.

#### Trimoterm Power T - FTV

**Trimoterm Power T** are façade panels with higher thermal insulation. They can reach U value down to 0.16 W/m²K, and up to 10 % higher thermal insulation.

<table>
<thead>
<tr>
<th>Panel thickness [mm]</th>
<th>50</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>133</th>
<th>150</th>
<th>172</th>
<th>200</th>
<th>240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight FTV [kg/m²]</td>
<td>Fe 0.6/Fe 0.6</td>
<td>n/a</td>
<td>15.8</td>
<td>17.8</td>
<td>19.4</td>
<td>21.2</td>
<td>22.3</td>
<td>23.9</td>
<td>25.9</td>
<td>28.4</td>
</tr>
<tr>
<td>U Thermal transmittance [W/m²K] (EN 14509)</td>
<td>n/a</td>
<td>0.58</td>
<td>0.45</td>
<td>0.36</td>
<td>0.30</td>
<td>0.28</td>
<td>0.25</td>
<td>0.21</td>
<td>0.19</td>
<td>0.16</td>
</tr>
<tr>
<td>Typical single spans [m]</td>
<td>n/a</td>
<td>3.58</td>
<td>4.58</td>
<td>5.29</td>
<td>5.98</td>
<td>6.27</td>
<td>6.60</td>
<td>7.01</td>
<td>7.46</td>
<td>8.03</td>
</tr>
</tbody>
</table>

Panel thickness 250 mm with U value 0.15 W/m²K is available upon special project request. Please contact Trimo representative or Trimo technical support.

#### Trimoterm Power S - FTV

**Trimoterm Power S** are long spanning façade panels, which reduce the need for secondary steel construction. Frame to frame spanning capability is up to 10 metres.

<table>
<thead>
<tr>
<th>Panel thickness [mm]</th>
<th>50</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>133</th>
<th>150</th>
<th>172</th>
<th>200</th>
<th>240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight FTV [kg/m²]</td>
<td>Fe 0.6/Fe 0.6</td>
<td>18.0</td>
<td>17.1</td>
<td>19.4</td>
<td>21.7</td>
<td>24.0</td>
<td>25.5</td>
<td>27.4</td>
<td>30.0</td>
<td>33.1</td>
</tr>
<tr>
<td>U Thermal transmittance [W/m²K] (EN 14509)</td>
<td>0.77</td>
<td>0.65</td>
<td>0.50</td>
<td>0.41</td>
<td>0.34</td>
<td>0.31</td>
<td>0.28</td>
<td>0.24</td>
<td>0.21</td>
<td>0.17</td>
</tr>
<tr>
<td>Typical single spans [m]</td>
<td>4.31</td>
<td>4.70</td>
<td>5.65</td>
<td>6.47</td>
<td>7.19</td>
<td>7.54</td>
<td>7.99</td>
<td>8.53</td>
<td>8.94</td>
<td>9.95</td>
</tr>
</tbody>
</table>

Measured on Trimoterm FTV panels modul 1000 mm.

* Data based on typical MW core. For specific project data refer to Technical CE specification data and contact Trimo technical support. Calculated according to EN 14509 standard without consideration of longitudinal joint losses.

** These typical spans are based on a wind pressure and suction of 0.9 kN/m², for guidance only. Project specific structural spans to be checked with Trimo technical support.
Trimoterm FTV Invisio

Trimoterm FTV Invisio (FTV HL) fireproof façade panels show their outrange clean façade outlook with no visible fixings while fixing on intermediate cladding rails is performed through a panel side lap joint by special developed supporting elements. Panels are mainly intended for vertical type of cladding but under certain conditions and limitations can also be used for various horizontal cladding applications.

External Profile Types:
- **S - profile (standard profile)**
- **V - profile (v)**
- **V - profile (v2)**
- **Smooth profile (G)**
- **Smooth profile (g)**
- **Micro-lined profile (m)**
- **Micro-lined profile (m3)**
- **Micro-lined profile (m2)**
- **Multi vario (X)**

Side A is usually the external side of a panel.

Thickness selection for the panels: 50, 60, 80, 100, 120, 133, 150, 172, 200, 240 mm.

Non-standard panel widths can be made by special request.

Panel lengths range up to 14 m.

Additional options and variations of “v” profiles are available upon request.

For all other non-standard module width sizes and profile finish availabilities please contact Trimo.

<table>
<thead>
<tr>
<th>Profile Type</th>
<th>A</th>
<th>B</th>
</tr>
</thead>
<tbody>
<tr>
<td>S - profile (s)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>V - profile (v, v2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Smooth profile (G, g)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Micro-lined profile (m, m3)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Micro-lined profile (m2)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multi vario (X)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Calculation of allowed spans is made by the SandStat software.
**Trimoterm Power**

Trimoterm Power is a new range of highly thermal and structural efficient roof and façade panels. Trimoterm Power brand includes two products:
- **Trimoterm Power T** - panels with higher thermal insulation,
- **Trimoterm Power S** - panels with higher structural spanning capabilities.

### Trimoterm Power T - FTV HL

**Trimoterm Power T** are façade panels with higher thermal insulation. They can reach U value down to 0.16 W/m²K, and up to 10% higher thermal insulation.

<table>
<thead>
<tr>
<th>Panel thickness (mm)</th>
<th>50</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>133</th>
<th>150</th>
<th>172</th>
<th>200</th>
<th>240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight FTV HL (kg/m²) Fe 0,6/Fe 0,6</td>
<td>n/a</td>
<td>16.0</td>
<td>17.8</td>
<td>19.6</td>
<td>21.4</td>
<td>22.6</td>
<td>24.1</td>
<td>26.1</td>
<td>28.6</td>
<td>32.2</td>
</tr>
<tr>
<td><em>U Thermal transmittance (W/m²K) (EN 14509)</em></td>
<td>n/a</td>
<td>0.58</td>
<td>0.45</td>
<td>0.38</td>
<td>0.30</td>
<td>0.28</td>
<td>0.25</td>
<td>0.21</td>
<td>0.19</td>
<td>0.18</td>
</tr>
</tbody>
</table>

Panel thickness 250 mm with U value 0.15 W/m²K is available upon special project request. Please contact Trimo representative or Trimo technical support.

### Trimoterm Power S - FTV HL

**Trimoterm Power S** are long spanning façade panels, which reduce the need for secondary steel construction. Spanning capability is up to 10 metres.

<table>
<thead>
<tr>
<th>Panel thickness (mm)</th>
<th>50</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>133</th>
<th>150</th>
<th>172</th>
<th>200</th>
<th>240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight FTV HL (kg/m²) Fe 0,6/Fe 0,6</td>
<td>16.2</td>
<td>17.4</td>
<td>19.6</td>
<td>21.9</td>
<td>24.2</td>
<td>25.7</td>
<td>27.6</td>
<td>30.2</td>
<td>33.4</td>
<td>37.9</td>
</tr>
<tr>
<td><em>U Thermal transmittance (W/m²K) (EN 14509)</em></td>
<td>0.77</td>
<td>0.65</td>
<td>0.50</td>
<td>0.41</td>
<td>0.34</td>
<td>0.31</td>
<td>0.28</td>
<td>0.24</td>
<td>0.21</td>
<td>0.17</td>
</tr>
</tbody>
</table>

Measured on Trimoterm FTV HL panels modul 1000 mm. Project specific structural spans to be checked with Trimo technical support.

* Data based on typical MW core. For specific project data refer to Technical CE specification data and contact Trimo technical support. Calculated according to EN 14509 standard without consideration of longitudinal joint losses.
Trimoterm Multivario FTV

The basic model of the Trimoterm Multivario (FTV X and FTV HL X) is the enlarged micro profile. For further possibilities of the internal facing see Trimoterm FTV and FTV HL.

An example of panel marking:

**FTV X 01 s-60/1000**

Side B
Profile number
Multivario

**FTV HL X 01 s-60/1000**

Side B
Profile number
Invisio

Numerous variations deriving from the basic module are combinations of a flat and ribbed sections throughout the panel surface in intervals of 100 mm. Some of the possibilities are shown below:

### width 1000 mm

01
04
26
28

### width 1200 mm

01
06
10
14
18
19
28
31

For technical performance characteristics please refer to Trimoterm FTV and Trimoterm FTV HL range.

Calculation of allowed spans is made by the **SandStat software**.
Trimoterm Acoustic panels (FTV-ac, FTV HL-ac, SNV-ac) are used as sound absorbing panels for sound damping in internal applications only. They can be erected as cladding of sound-absorbing cabins, as partition walls and additional cladding on façades and roofs.

### Panel Marking Examples

An example of panel marking:

**FTV-ac ss-60/1000**

**FTV HL-ac ss-60/1000**

**SNV-ac s-60/1000**

### Panel Thickness and Sound Reduction

<table>
<thead>
<tr>
<th>Panel thickness [mm]</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>133</th>
<th>150</th>
<th>172</th>
<th>200</th>
<th>240</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rw Sound reduction [dB] (EN ISO 10140-3)</td>
<td></td>
<td></td>
<td></td>
<td>34 (-2; -4)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sound absorption [dB] (EN ISO 354)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>8.3</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Panel Specifications

- **Profile Type**
  - S - profile (s)
  - V - profile (v, v2)
  - Smooth profile (G, g)
  - Micro-lined profile (m, m3)
  - Micro-lined profile (m2)
  - Multi vario (X)

- **Side A** is usually the external side of a panel.
- Thickness selection for the panels: 60, 80, 100, 120, 133, 150, 172, 200, 240 mm.
- Panel width is 1000 mm.
- Panel lengths range up to 14 m.

### Measured Data

Measured on Trimoterm panels modul 1000 mm.
Trimoterm SNV fireproof panels are mainly used with additional sealing of longitudinal joints for roof cladding however they can also be used for the wall clading. Minimum roof slope is 3° with additional sealing of longitudinal joints.

**External Profile Types:**
- **Trapezoid profile**

**Internal Profile Types:**
- **S - profile (standard profile)**
- **V - profile (v)**
- **Smooth profile (g)**
- **Micro-lined profile (m2)**

**Cert. No. 650a to LPS 1208**
**Cert. No. 650b to LPS 1181**

Calculation of allowed spans is made by the SandStat software.

Thickness selection for the panels 60, 80, 100, 120, 150, 172 and 200 mm. Panel lengths range up to 14 m.
## Trimoterm SNV

<table>
<thead>
<tr>
<th>Panel thickness (mm)</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>150</th>
<th>172</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fire resistance class SNV (EN 13501-2)</td>
<td>REI 30</td>
<td>REI 60</td>
<td>REI 120</td>
<td>REI 180</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Combustibility of insulant core (EN 13501-1)</td>
<td>Non-combustible, class A1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Rw Sound reduction [dB] (EN ISO 10140-3)</td>
<td>32 (-1, -4)</td>
<td>33 (-1, -4)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Min. roof slope</td>
<td>5° or 3° with additional sealing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cover width (mm)</td>
<td>1000</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Panel length (m)</td>
<td>up to 14</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight SNV [kg/m²] Fe 0.6 / Fe 0.6</td>
<td>18.9</td>
<td>21.3</td>
<td>23.7</td>
<td>26.1</td>
<td>29.7</td>
<td>32.4</td>
<td>35.7</td>
</tr>
<tr>
<td>*U Thermal transmittance SNV [W/m²K] (EN 14509)</td>
<td>0.65</td>
<td>0.50</td>
<td>0.40</td>
<td>0.34</td>
<td>0.27</td>
<td>0.24</td>
<td>0.21</td>
</tr>
</tbody>
</table>

## Trimoterm Power T - SNV

Trimoterm Power T are roof panels with higher thermal insulation. They can reach U value down to 0.18 W/m²K, and up to 11% higher thermal insulation.

<table>
<thead>
<tr>
<th>Panel thickness (mm)</th>
<th>60</th>
<th>80</th>
<th>100</th>
<th>120</th>
<th>150</th>
<th>172</th>
<th>200</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight SNV [kg/m²] Fe 0.6 / Fe 0.6</td>
<td>17.2</td>
<td>19.0</td>
<td>20.8</td>
<td>22.6</td>
<td>25.3</td>
<td>27.3</td>
<td>29.8</td>
</tr>
<tr>
<td>*U Thermal transmittance SNV [W/m²K] (EN 14509)</td>
<td>0.57</td>
<td>0.44</td>
<td>0.36</td>
<td>0.30</td>
<td>0.24</td>
<td>0.21</td>
<td>0.18</td>
</tr>
</tbody>
</table>

Measured on Trimoterm SNV panels modul 1000 mm.

* Databased on typical MW core. For specific project data refer to Technical CE specification data and contact Trimo technical support. Calculated according to EN 14509 standard without consideration of longitudinal joint losses.
Decorative and fixing elements for TRIMOTERM façade panels

**HF 102 - Omega Profile**

**HF5 - Decorative Window Profile**

**HF6 - Decorative Omega Profile**

**HF4 - Decorative Omega Profile**
Decorative elements for TRIMOTERM façade panels

HF1 - T Profile

HF2 - Trapezoid Profile

HF7 - Triangular Profile

HF8 - Elliptical Profile

HF9 - Semi-circular Profile