Kalzip® Facade Systems

TF 800 R
Kalzip® Facade Systems – new aspects for innovative design

Front page: District hospital, Ehingen (D)
Architect: Georg Gindele, Neu-Ulm
Right: Production site Marxer Friedberg (D)
Architect: Dieter W. Hoppstaedter
Available in a comprehensive range of colour coatings, the Kalzip® TF 800 R facade profiles offer an aesthetically appealing and extremely practical solution. To summarise the benefits:

- distinctive profile design and attractive "long view" visual appeal
- lightweight – leading to savings on supporting steelwork
- flexible performance with a wide range of acoustic and thermal specification options
- perfectly systemised and proven with harmonised components and interfaces
- versatile colour finishes

**Quality in detail**

For perfect interfaces with other building elements and systems, special details have been developed for the Kalzip® TF 800 R system. The technical expertise of the Kalzip® team has determined both the all important long term performance of these interfaces and has also defined their visual appearance and integration with the rest of the building.

Kalzip® TF 800 R: featuring a gently "treaded" fascia between raised ribs
Installation

Kalzip® TF 800 R facade profile is only suitable for horizontal or slightly pitched building elevations. It is not suitable as a roofing cladding material. Fixing takes place within the narrow lower brace between the ribs - either inside each rib or always in line with the longitudinal joints - according to the structural requirements. 

**Fastening devices:**
Bolts with inside torx drive, JT3-FR-6-5, 5 xL E10 or Irius drive system SX-L 12-A10-5, 5xL

**Technical data**

<table>
<thead>
<tr>
<th>Material</th>
<th>EN AW-304 according to DIN 573-3 respectively Hogal 5555, high physical properties; good malleability.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions</td>
<td>TF 800 R 1.0 and 1.2mm gauge, structural width 800mm. Profile length 6m, profile height 35mm.</td>
</tr>
<tr>
<td>Bearing capacity</td>
<td>according to national standards (in Germany DIN 18807, see load span tables).</td>
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<tr>
<td>Colours and finishes</td>
<td>RAL standard colours, TitanColor, SoftColor and AntiGraffiti finishes according to Kalzip®/Kalbau® colour index, special colours and finishes are available on request and to special order.</td>
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<tr>
<td>Substructure</td>
<td>Vertical girders or spacing elements.</td>
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</table>

**Kalzip® TF system components**

<table>
<thead>
<tr>
<th>Dimensions</th>
<th>maximum profile length 6000mm</th>
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</thead>
</table>

Right: Kalzip® TF system components
Kalzip® roof and wall cladding systems help architects and specifiers to achieve new design potential. The combination of traditional materials and system build-up together with the advanced capabilities of the Kalzip® profiled sheets has established its position in advanced architectural thinking.

The facade sheet with its acoustic and thermal performance capabilities together with a distinctive aesthetic appeal can underpin the entire architectural concept.

The potential of the new Kalzip® TF 800 R profile opens up a whole new design perspective.

The clean-cut appearance of this new profile enhances the effect of light and shade across all elevations whilst at the same time offering a distinct and unique overall appearance.

Kalzip® TF 800 R
– a distinctive aluminium profile

Above and right:
Storage Electro Helfrich Viernheim (D)
Architect: Fischer Architekten, Viernheim

Far right: CMT Zeiss Oberkochen (D)
Architect: SIAT Bauplanung und Ingenieurleistungen