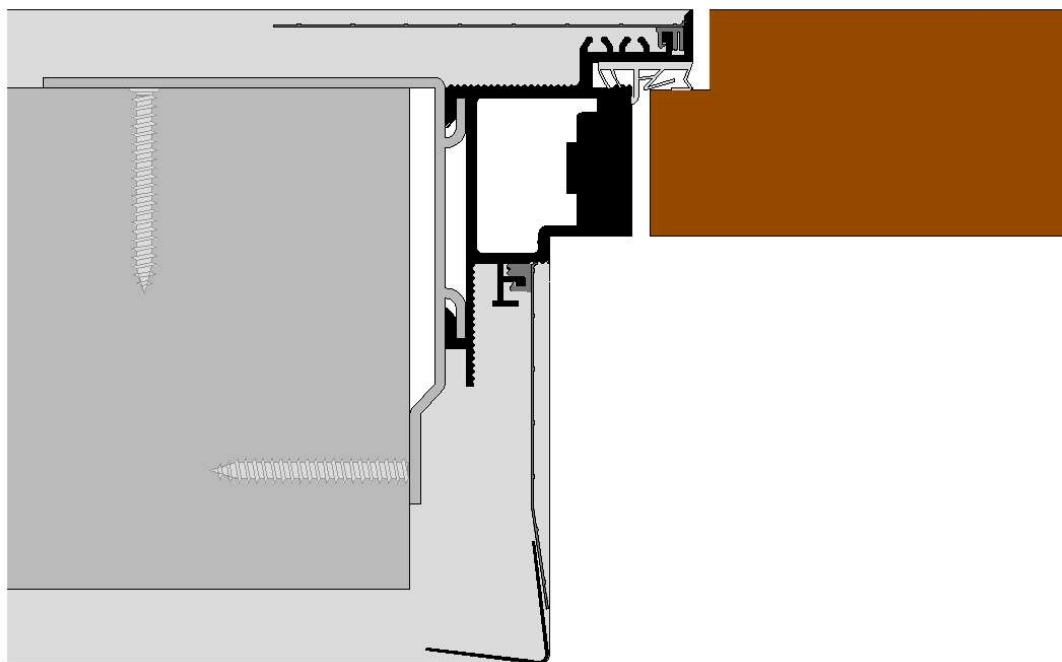


Concealed door frames

TCS for inward opening doors



Description



The aluminum profiles TCS are used to create FRAMELESS doors for solid and dry constructions. They are made on specific customer demands and guarantee perfect finished edges, exact lines and filigree shadow gaps. With the clear lines and the smooth junction between the door leaf and the wall they refine the visual effects of the room and accomplish all demands of modern architecture. Thanks to the special structure and the snap-in mesh they offer a permanent connection between door elements and the wall. They eliminate plaster cracks and avoid an inconvenient acrylic gap. The offered functionality with the fast and professional assembly through SnapIn corner connectors and wall fixing brackets outstrips the concept of design.

Material



The door profiles are made of raw untreated aluminum alloy EN EW-6060 (Al-MgSi) with possible toleration according to UNI EN 755-9. The above alloy offers good strength values, is corrosion resistant and is particularly suitable as a construction material for high surface requirements.

Cement and its derivatives produce, in wet conditions, alkaline substances which can lead to corrosion if left to work on the surface of the aluminum alloy. It is therefore recommended that the profiles are always kept free of cement, adhesive and joint material.

Corrosion is prevented by the recommended on-site priming and painting of the profile in wall paint.

Aluminum is not resistant against all chemical compounds, therefore contact with hydrogen chloride (HCl) and phosphoric acid (H₃PO₄) should be avoided. Products of cleaning stones, ceramics, etc. can also damage the surface. Moisture or salt water can discolour the surface of the profile.

Assembly



The assembly must be done during shell construction. Thanks to the provided accessories the profiles can be assembled easily, joined precisely and set into the wall opening. The corner connectors ensure a perfect technical link of 90 degree between the upright profiles and the upper part. To guarantee a perfect distance the AGS-systems bottom spreader bar should be inserted. After plastering works the door panels must be installed. The manual guide must be read carefully before beginning with the assembly of the frame. For a professional installation only the recommended materials from AGS-systems must be used, otherwise every liability expires.

Here you can find the assembling video:



masonry construction



drywall

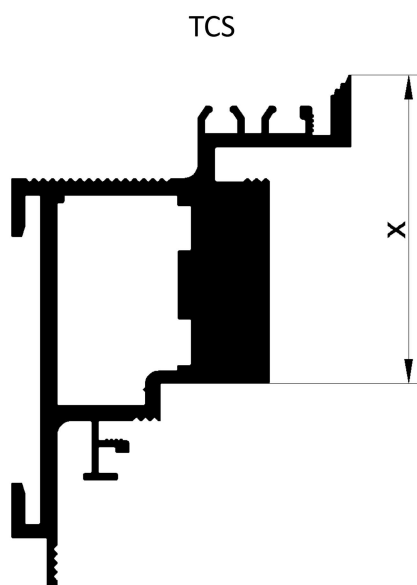
Door leaves



Depending on the door leaf a door frame with 44/45 and 50 mm can be used.

Profiles

The TCS profiles are supplied mitre-cut to suit door size and milled to suit hidden hinges and striking panels or other hardware. All profiles are covered by a protective film and packed/delivered in a kit including the mounting- and fixing accessories.



TCS		
<u>Solid and dry construction</u>		
<i>Description</i>	<i>Item number</i>	<i>Width (x)</i>
TCS45	10645	45 mm
TCS50	10650	50 mm

We guarantee for a high quality of our products. Our processing guidelines are based on tests and practical experiences; they are only indication without assurance of properties, we have no influence on condition of construction sites and the realizations of the works

Country specific regulations, which consist on regional standards, building regulations, processing and industrial guidelines, can guide to specific processing recommendations.