



Audi terminal facade – information on substructure for DF panels

Up to now, the substructures of the projects realised so far have been procured and assembled by the responsible cladding companies on site.

The substructure consists of simple aluminium profiles (continuously casted T profiles) with horizontal angles and it is easy to assemble and economic.

Up to now, two alternatives have been realised:

- 1. Screwing** the aluminium profiles (and/or the horizontal angles) onto the existing and/or newly produced bottom plates of the facade (corrugated sheet or trapezoidal sheets)
Afterwards screwing the perforated panels onto the aluminium profiles
- 2. Riveting** the aluminium profiles (and/or horizontal angles) onto the bottom plates.
Afterwards riveting the perforated panels onto the aluminium profiles.

Depending on the planning, the screwing of the aluminium profiles was made onto or between the corrugations.

Both alternatives are checked and applicable under static aspects and offer a high degree of flexibility for adaptations on site.

Please find some detailed pictures on the following pages.



P. 2



Example: substructure with **screwed** aluminium profile angles +horizontal angles on bottom plate of the facade

In this case, screwing is made **onto the corrugation** of the trapezoidal sheet
Afterwards **screwing the perforated panels** on the aluminium profiles



Identical: but in this case screwing of the substructure **between the corrugations** of the trapezoidal sheet



Example: detailed view of substructure with screwed aluminium profile angles + horizontal angles onto the bottom plate of the facade
In this case: **simple screwing between the corrugations** of the trapezoidal sheet
Screwing of the perforated panels onto the aluminium profiles.



Example: detailed view substructure with screwed aluminium profile angles + horizontal angles onto bottom plate of facade
In this case, screwing **between the corrugations** of the trapezoidal sheet

In this case: more complex screwing with **lens head** screws
Project Audi Munich



Example: Riveting of aluminium profile to horizontal angle + riveting of horizontal angle to trapezoidal sheet of facade
Riveting on facade done between the corrugations. Afterwards riveting of perforated sheet on aluminium profile.

