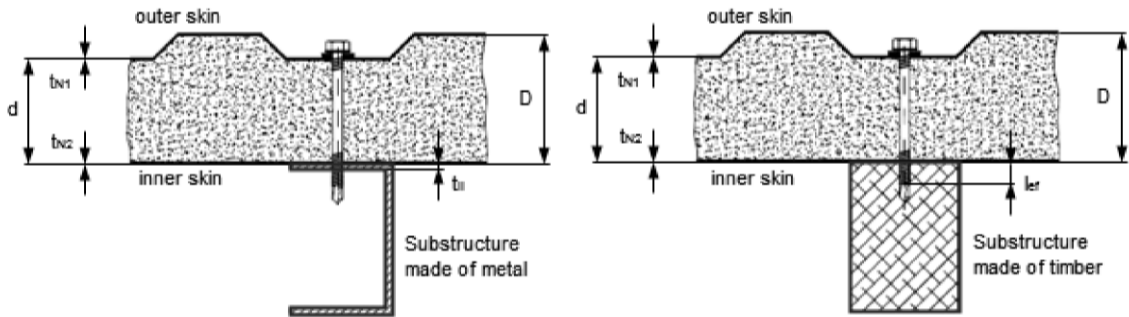


Examples of execution of a connection



Terms for materials

- Fastener Material of the fastening screw
Washer Material of the sealing washer
Component I Material of the sandwich panel (outer skin and inner skin)
Component II Material of the substructure

Terms for dimensions

- D, d Total thickness of component I
 t_{N1} Thickness of the outer skin of component I
 t_{N2} Thickness of the inner skin of component I
 t_{II} Thickness of component II made of metal
 l_{ef} Effective screw-in length in component II made of timber (without drill point)
 d_{pd} Pre-drill diameter of component I and component II

Terms for performances

- $V_{R,k}$ Characteristic value of shear resistance of the connection
 $N_{R,k}$ Characteristic value of tension resistance of the connection
 $V_{R,I,k}$ Characteristic value of shear resistance of metal member or sheeting
 $N_{R,I,k}$ Characteristic value of tension resistance (pull-through) of metal member or sheeting
 $N_{R,II,k}$ Characteristic value of tension resistance (pull-out) of the substructure
 u Maximum allowed head displacement of the fastening screw

Additionally for timber substructure the following terms are used

- $M_{y,Rk}$ Characteristic value of yield moment
 $f_{ax,k}$ Characteristic value of withdrawal strength
 $f_{h,k}$ Characteristic value of embedding strength
 ρ_k Characteristic value of raw density of structural timber in kg/m^3
 ρ_a Existing value of raw density of structural timber in kg/m^3

Used terms in the Annexes

Fastening screws for sandwich panels

Annex 1