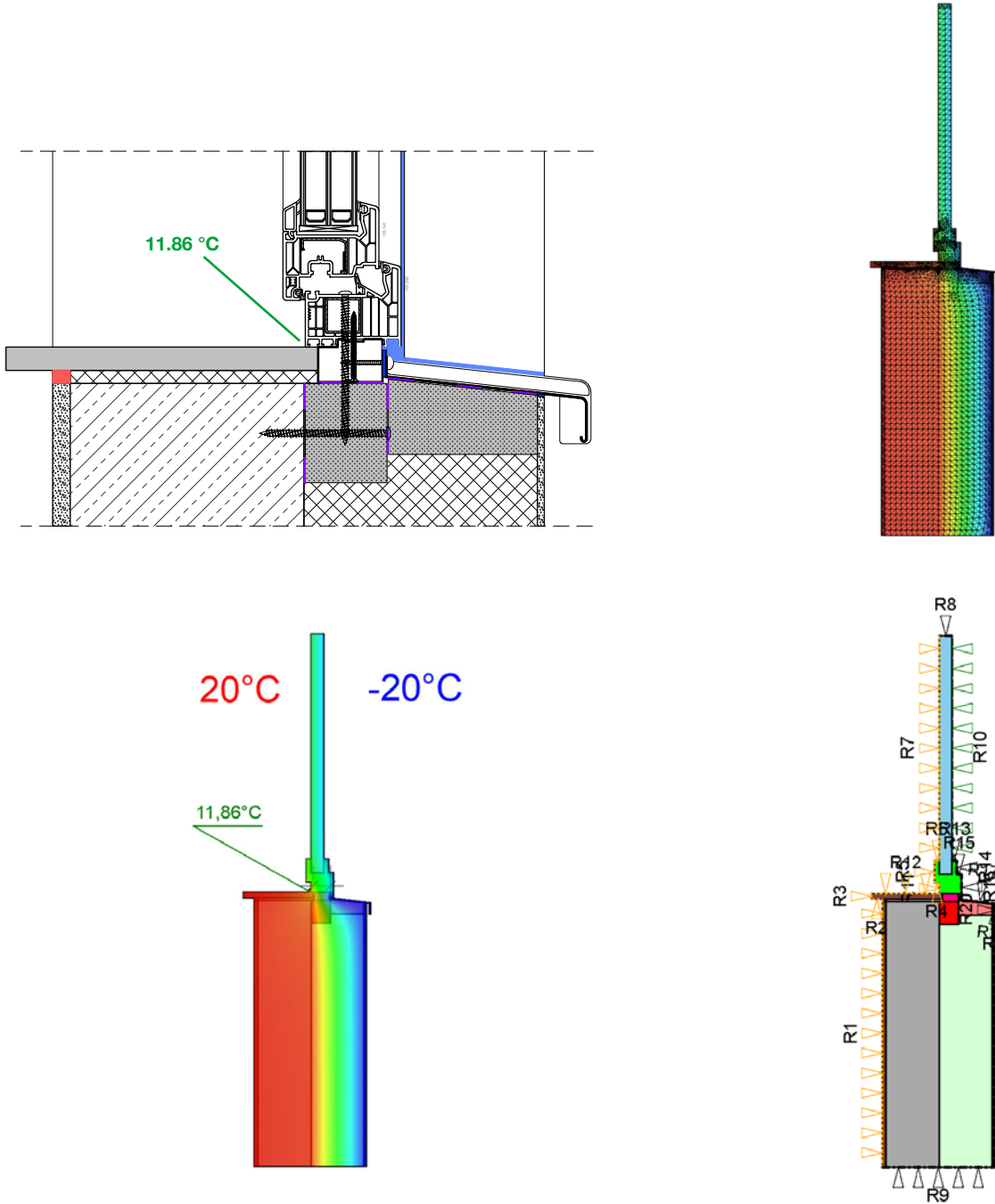


Isothermal curve

Moisture and thermal protection calculation at -20 °C

Thermal bridge calculation (f -value)

blaugelb Sill Connection Profile



Minimum thermal insulation according to DIN 4108-2 is fulfilled.

$$f_{RSI} = 0.80 > 0.70$$

blaugelb Sill Connection Profile

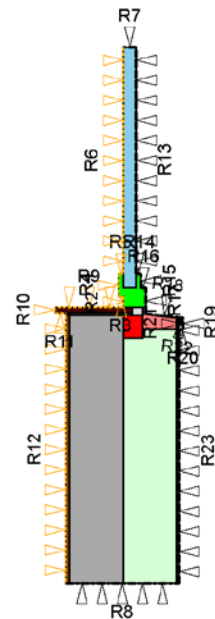
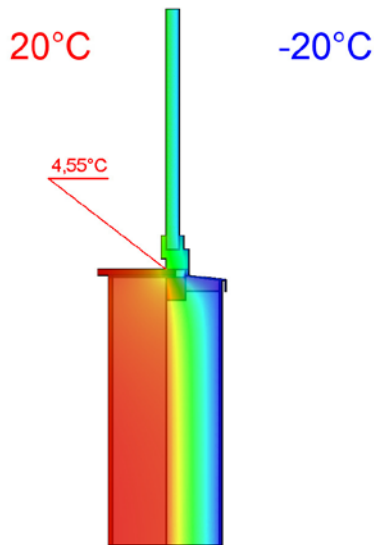
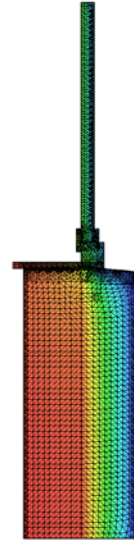
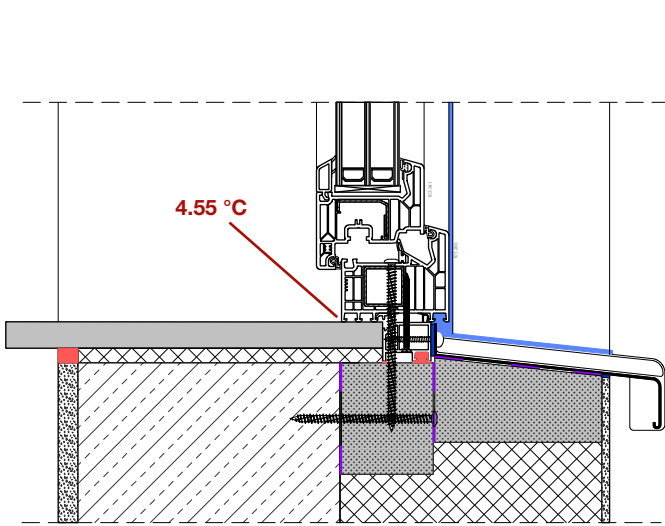
Moisture protection calculation

Outside temperature -20 °C

Interior temperature +20 °C

Thermal bridge calculation (f -value)

PVC window sill connection profile



Minimum thermal insulation according to DIN 4108-2 is not fulfilled.

$$f_{RSI} = 0.61 < 0.70$$

blaugelb Sill Connection Profile

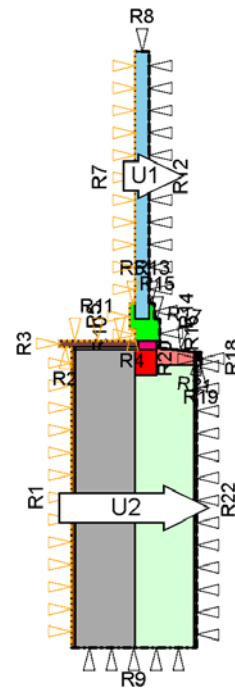
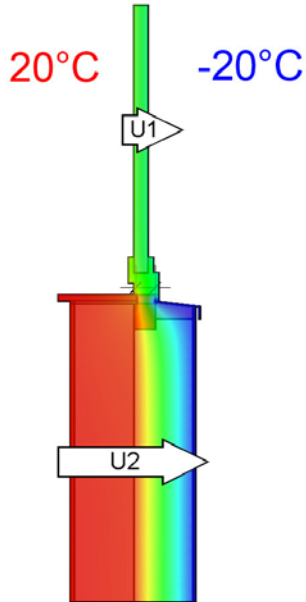
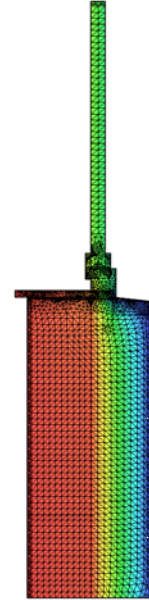
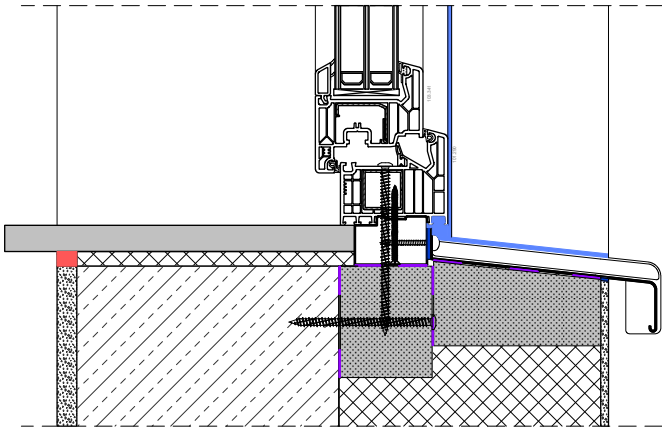
Moisture protection calculation

Outside temperature -20 °C

Interior temperature +20 °C

Thermal bridge calculation (Ψ -value)

blaugelb Sill Connection Profile



Thermal bridge loss coefficient

$$\Psi = +2.025 \text{ W/(mK)}$$

blaugelb Sill Connection Profile

Thermal insulation calculation

Outside temperature -20 °C

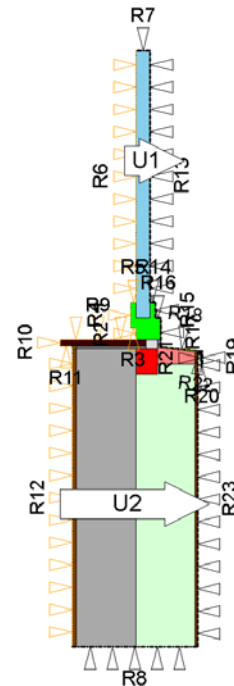
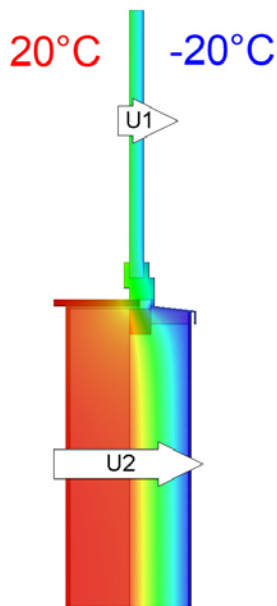
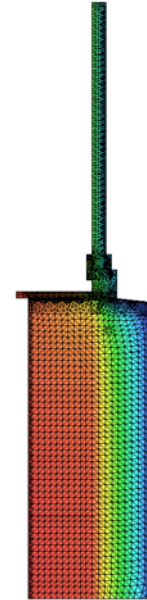
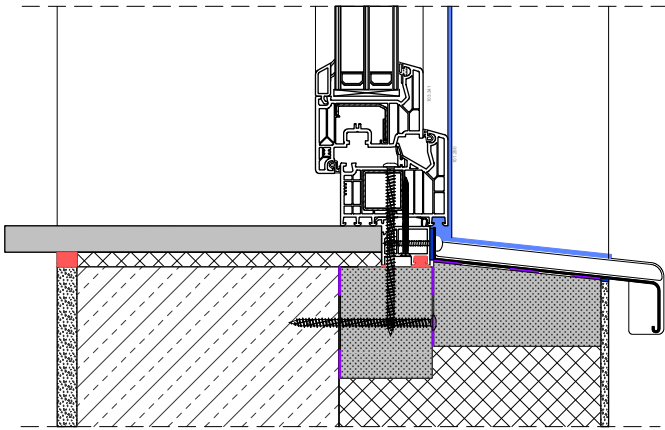
Interior temperature +20 °C

| No. | Last name | Length | U-value | Correction factor |
|-----|-----------|---------|---------------------------|-----------------------|
| U1 | U1 | 1.000 m | 3.15 W/(m ² K) | F _e (1.00) |
| U2 | U2 | 1.000 m | 0.18 W/(m ² K) | F _e (1.00) |

The information provided in this document corresponds to the information and technical details available to the best of our knowledge. However, this does not constitute a guarantee pursuant to section 443 of the German Civil Code (BGB). Our processing instructions are to be considered only as general guidelines and may differ in the individual case due to the range of possible uses and applications. They do not therefore automatically exempt the user from carrying out their own tests. We reserve the right to make technical modifications and enhancements at any time.

Thermal bridge calculation (Ψ -value)

PVC window sill connection profile



Thermal bridge loss coefficient

$$\Psi = +2.916 \text{ W/(mK)}$$

blaugelb Sill Connection Profile

Thermal insulation calculation

Outside temperature -20 °C

Interior temperature +20 °C

| No. | Last name | Length | U-value | Correction factor |
|-----|-----------|---------|---------------------------|-----------------------|
| U1 | U1 | 1.000 m | 3.79 W/(m ² K) | F _e (1.00) |
| U2 | U2 | 1.000 m | 0.17 W/(m ² K) | F _e (1.00) |