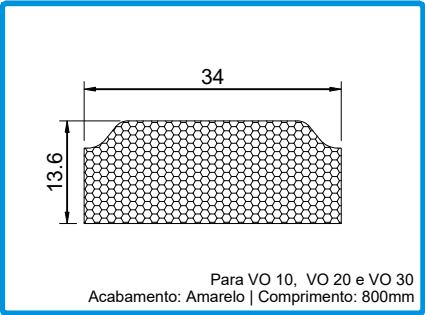
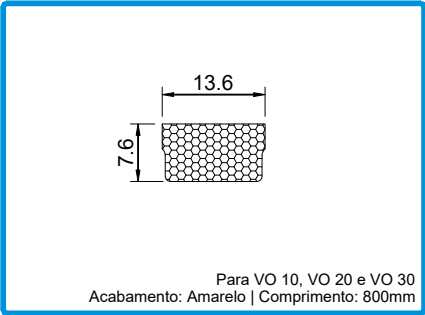




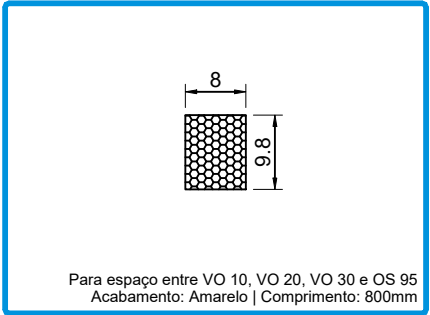
PERFIS TÉRMICOS PARA OS-D⁺
THERMAL PROFILES FOR OS-D⁺
PROFILÉS THERMIQUES POUR OS-D⁺



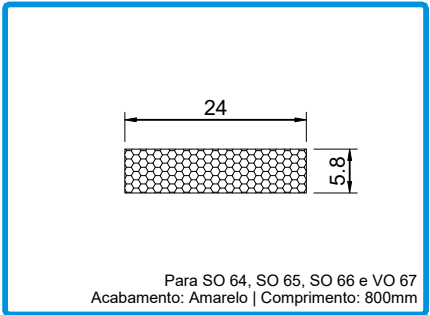
281010 PERFIL TÉRMICO OS THP0196



281011 PERFIL TÉRMICO OS THP0197



281012 PERFIL TÉRMICO OS THP0200



281013 PERFIL TÉRMICO OS THP0201

CÁLCULOS TÉRMICOS PARA OS-D⁺
THERMAL CALCULATIONS FOR OS-D⁺
CALCULS THERMIQUES POUR OS-D⁺

EXEMPLO 1 - Janela 2 Folhas 4,1m x 4,0m (L x H) com Vidro Ug = 1,0 W/m²K
EXAMPLE 1 - 2 Sashes Window 4,1m x 4,0m (L x H) with Glass Ug = 1,0 W/m²K
EXEMPLE 1 - Fenêtre 2 Ventaux 4,1m x 4,0m (L x H) avec Verre Ug = 1,0 W/m²K

Solução standard
Standard solution
Solution standard

Uw = 1,47 W/(m²K)

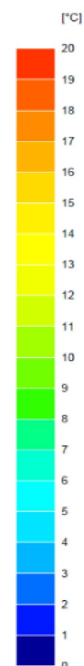
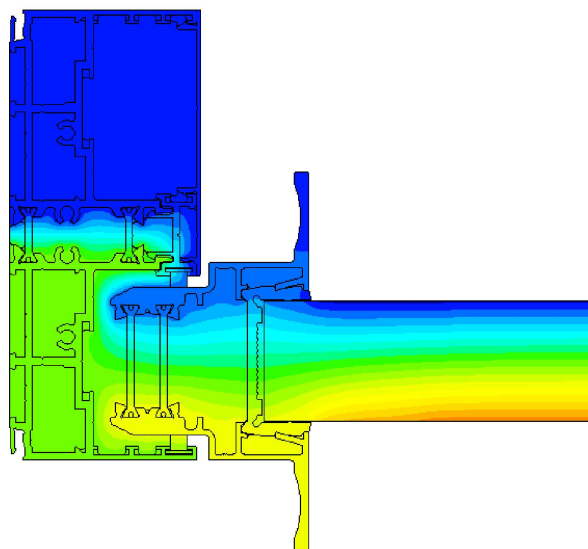
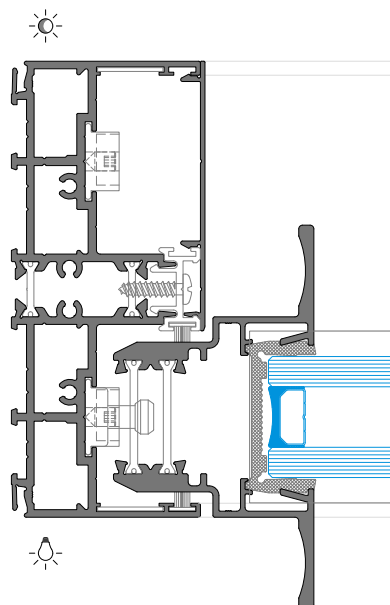
Solução termicamente melhorada
Thermally improved solution
Solution thermiquement améliorée

Uw = 1,29 W/(m²K)



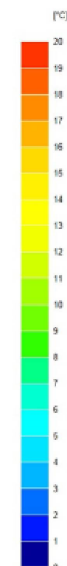
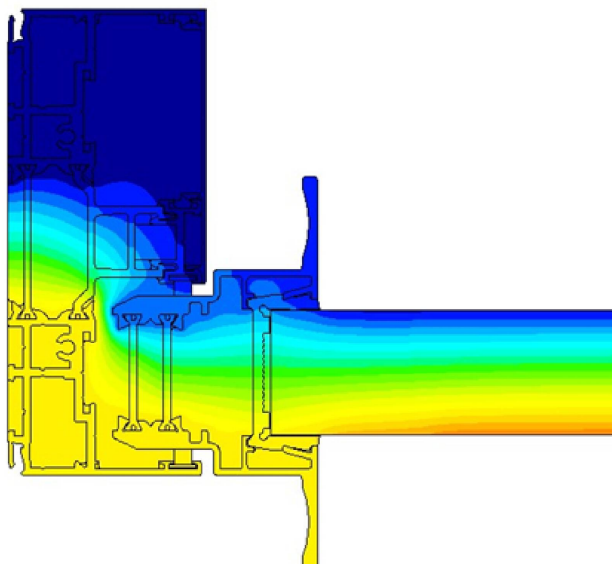
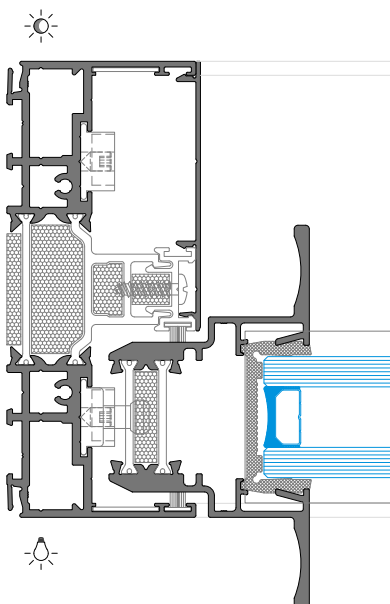
CALCULOS TÉRMICOS OS-D⁺
 THERMAL CALCULATIONS FOR OS-D⁺
 CALCULATIONS THERMIQUES OS-D⁺

- **ARO LATERAL 2R (INTERIOR)**
 2R LATERAL FRAME (INSIDE)
 CADRE LATÉRAL 2R (INTÉRIEUR)



Solução standard
 Standard solution
 Solution standard

$w = 0,0800 \text{ m} \mid U_f = 5,318 \text{ W}/(\text{m}^2\text{K})$



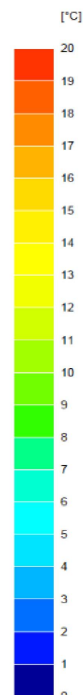
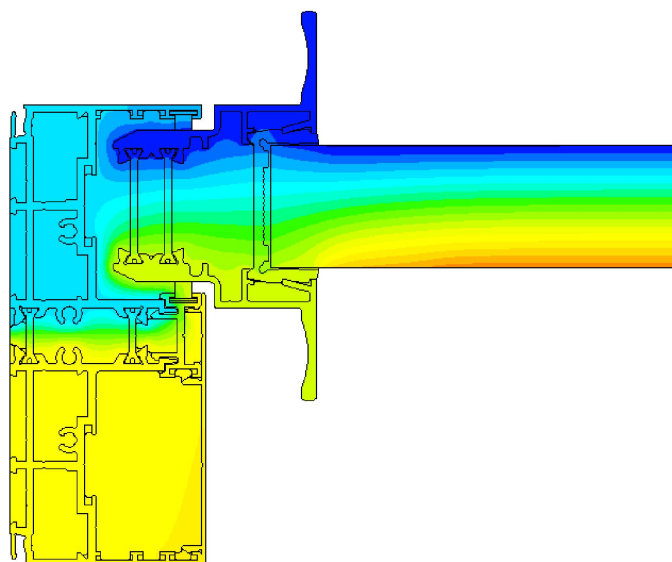
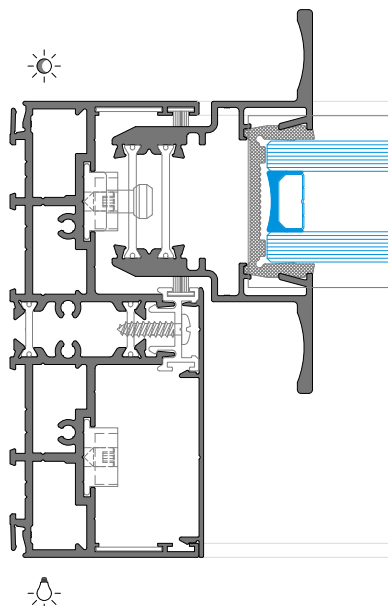
Solução termicamente melhorada (com perfis térmicos e poliamida low λ)
 Thermally improved solution (with thermal profiles and low- λ polyamide)
 Solution thermiquement améliorée (avec profilés thermiques and polyamide à faible λ)

$w = 0,0800 \text{ m} \mid U_f = 3,101 \text{ W}/(\text{m}^2\text{K})$



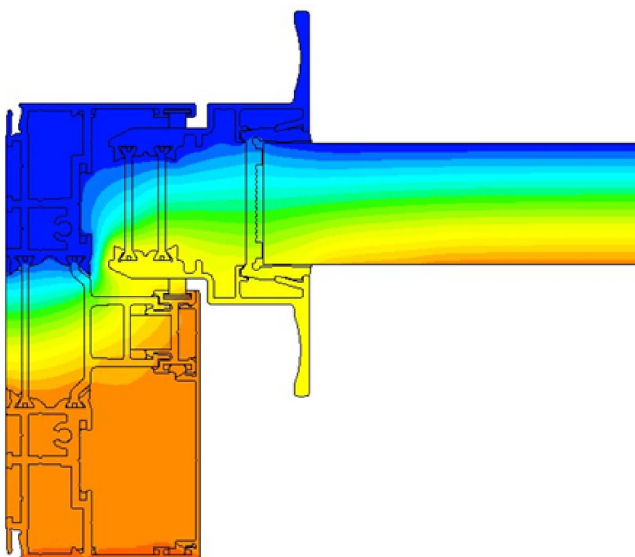
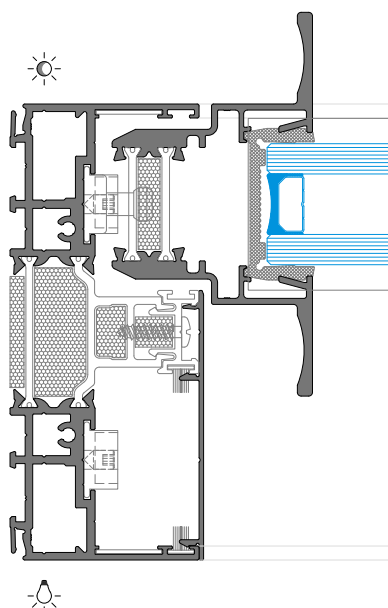
CALCULOS TÉRMICOS OS-D⁺
 THERMAL CALCULATIONS FOR OS-D⁺
 CALCULATIONS THERMIQUES OS-D⁺

- **ARO LATERAL 2R (EXTERIOR)**
 2R LATERAL FRAME (OUTSIDE)
 CADRE LATÉRAL 2R (EXTÉRIEUR)



Solução standard
 Standard solution
 Solution standard

w = 0,0800 m | Uf = 5,695 W/(m²K)



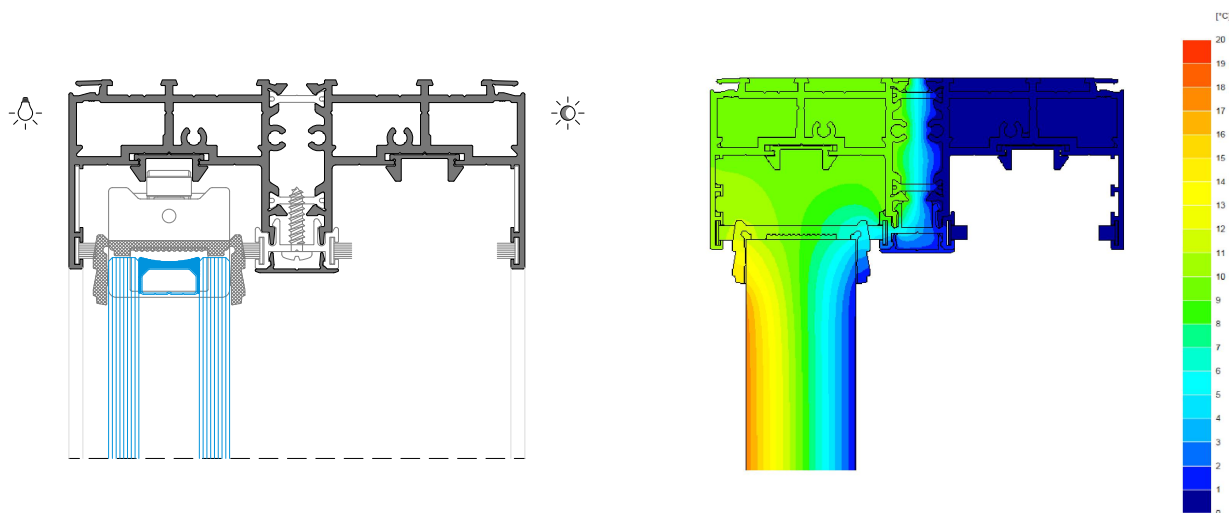
Solução termicamente melhorada (com perfis térmicos e poliamida low λ)
 Thermally improved solution (with thermal profiles and low-λ polyamide)
 Solution thermiquement améliorée (avec profilés thermiques and polyamide à faible λ)

w = 0,0800 m | Uf = 2,986 W/(m²K)



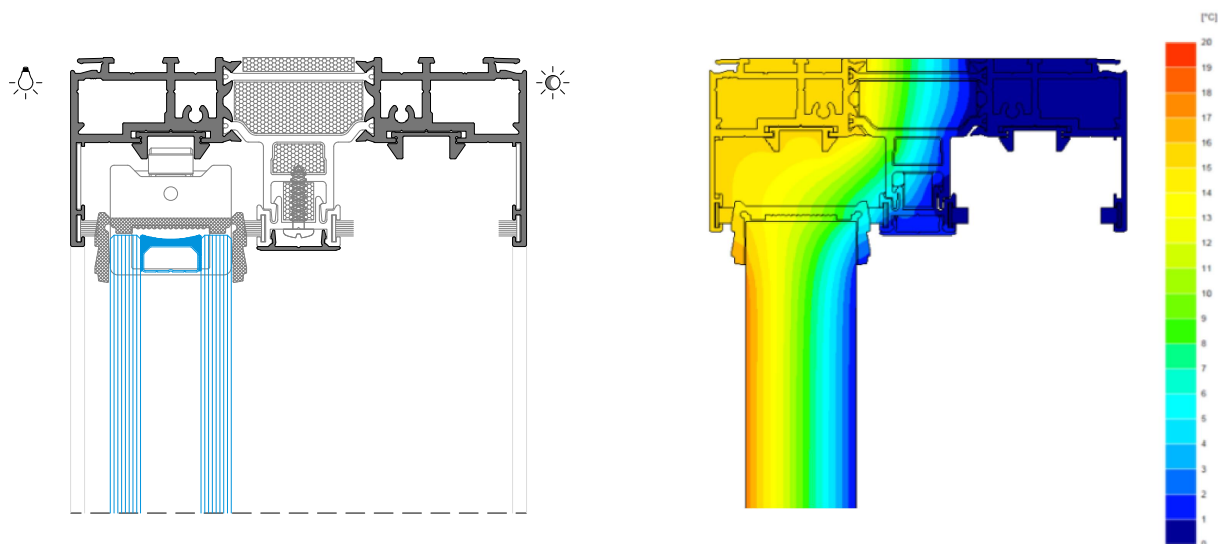
CALCULOS TÉRMICOS OS-D⁺
 THERMAL CALCULATIONS FOR OS-D⁺
 CALCULATIONS THERMIQUES OS-D⁺

- PADIEIRA 2R (INTERIOR)**
 2R LINTEL (INSIDE)
 LINTEAU 2R (INTÉRIEUR)



Solução standard
 Standard solution
 Solution standard

$w = 0,0509 \text{ m} \mid U_f = 5,276 \text{ W}/(\text{m}^2\text{K})$



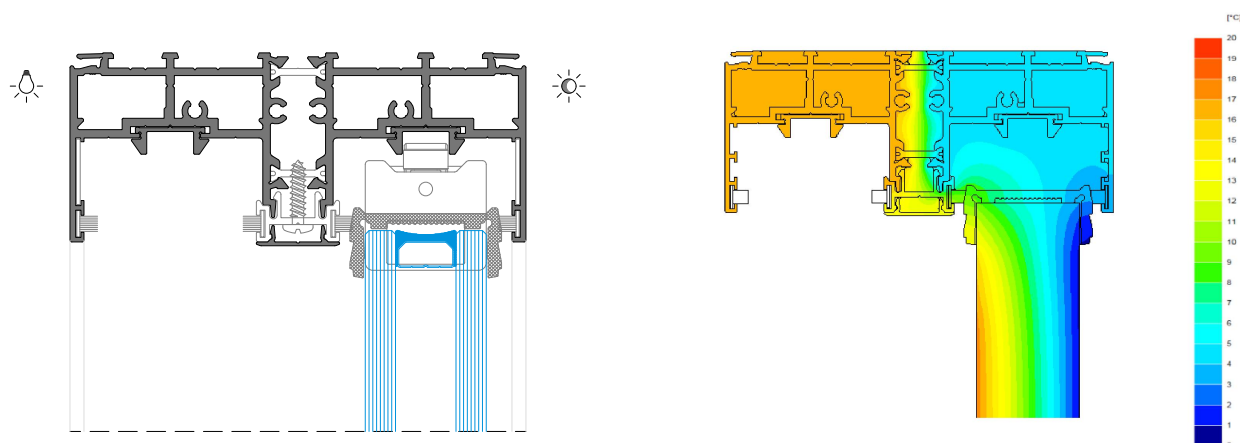
Solução termicamente melhorada (com perfis térmicos e poliamida low λ)
 Thermally improved solution (with thermal profiles and low- λ polyamide)
 Solution thermiquement améliorée (avec profilés thermiques and polyamide à faible λ)

$w = 0,0510 \text{ m} \mid U_f = 2,454 \text{ W}/(\text{m}^2\text{K})$



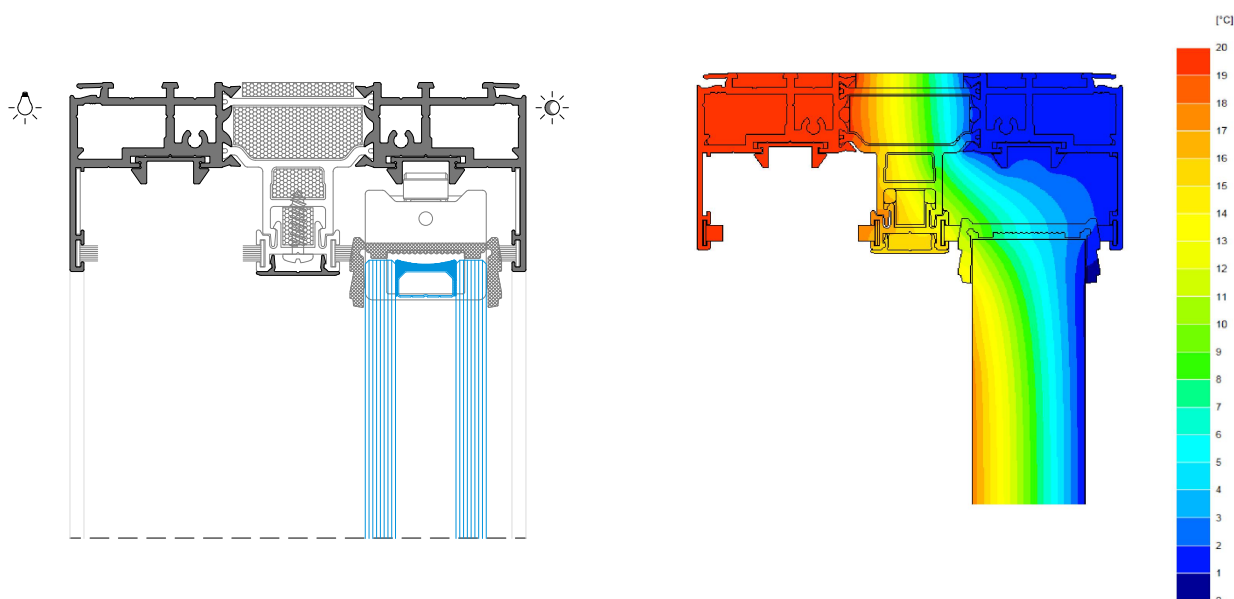
CALCULOS TÉRMICOS OS-D⁺
 THERMAL CALCULATIONS FOR OS-D⁺
 CALCULATIONS THERMIQUES OS-D⁺

- PADIEIRA 2R (EXTERIOR)**
 2R LINTEL (OUTSIDE)
 LINTEAU 2R (EXTÉRIEUR)



Solução standard
 Standard solution
 Solution standard

w = 0,0509 m | Uf = 6,501 W/(m²K)



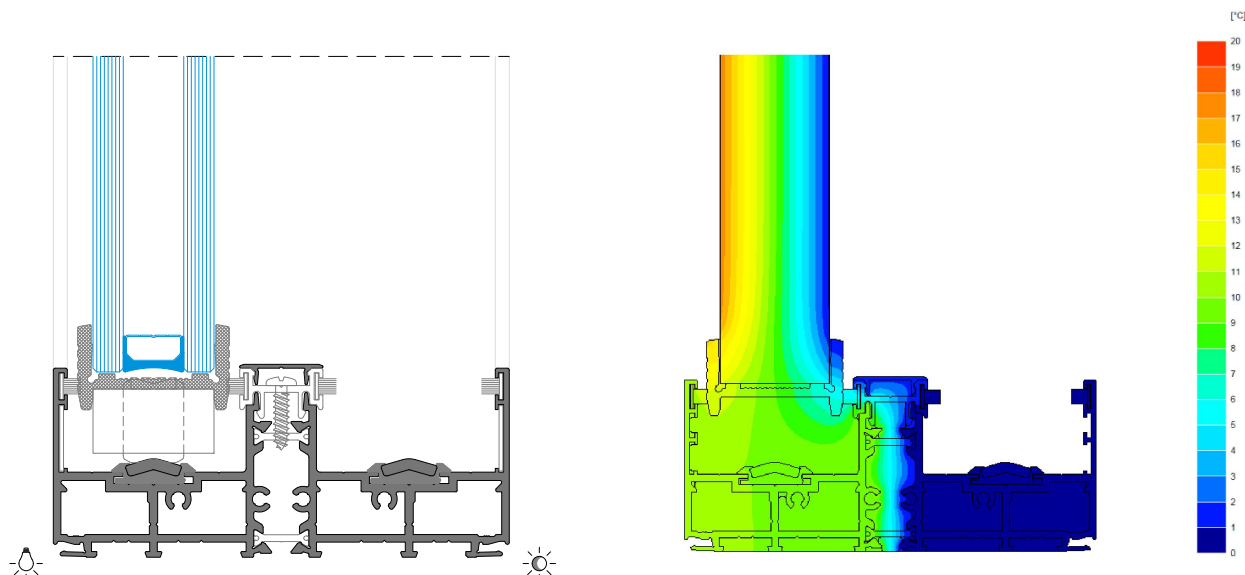
Solução termicamente melhorada (com perfis térmicos e poliamida low λ)
 Thermally improved solution (with thermal profiles and low-λ polyamide)
 Solution thermiquement améliorée (avec profilés thermiques and polyamide à faible λ)

w = 0,0510 m | Uf = 2,410 W/(m²K)



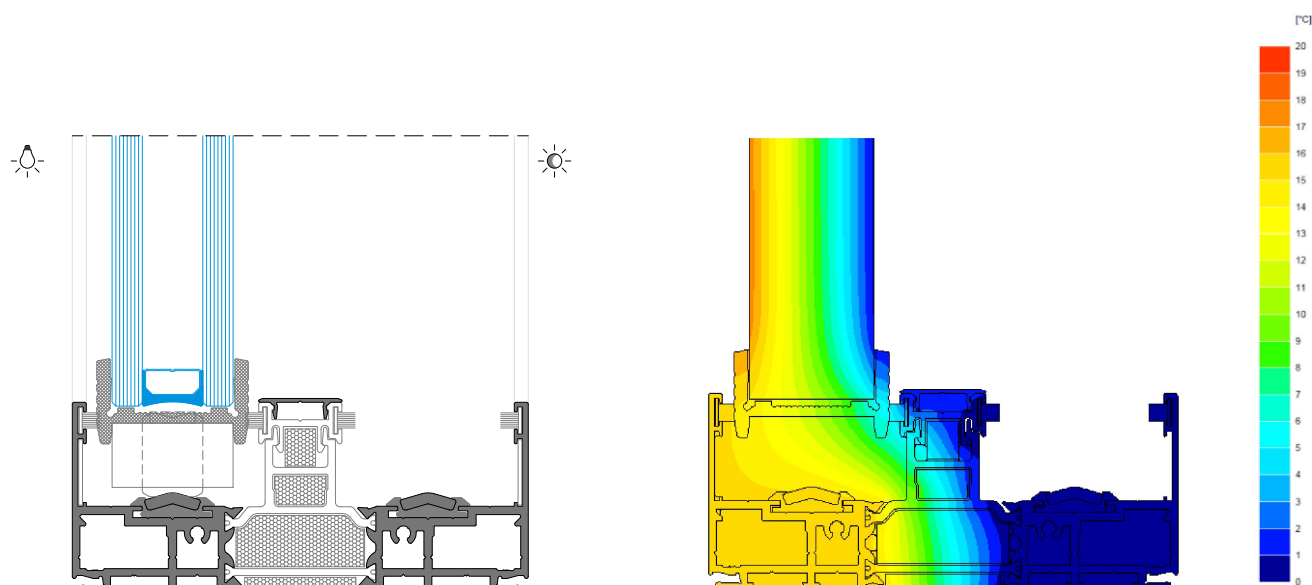
CALCULOS TÉRMICOS OS-D⁺
 THERMAL CALCULATIONS FOR OS-D⁺
 CALCULATIONS THERMIQUES OS-D⁺

- **SOLEIRA 2R (INTERIOR)**
 2R SILL (INSIDE)
 SEUIL 2R (INTÉRIEUR)



Solução standard
 Standard solution
 Solution standard

$w = 0,0509 \text{ m} \mid U_f = 5,354 \text{ W/(m}^2\text{K)}$



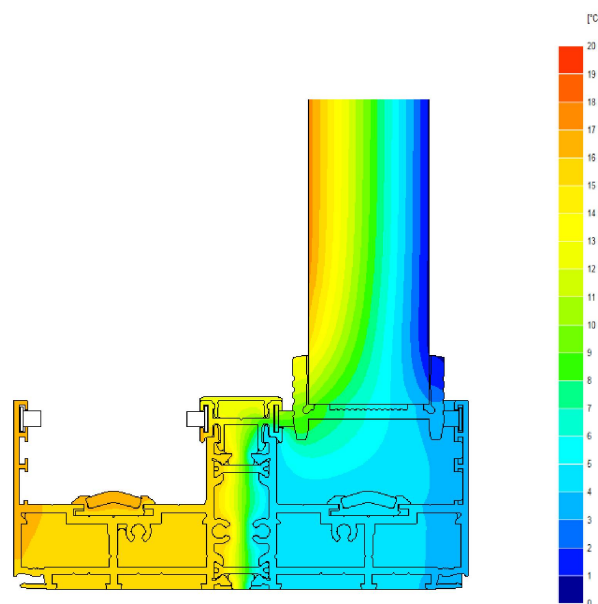
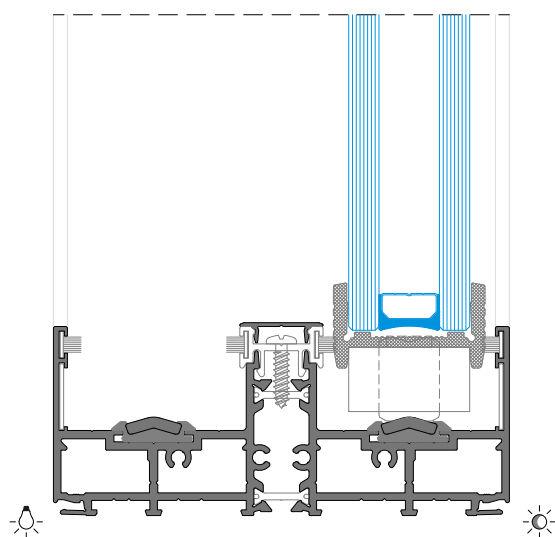
Solução termicamente melhorada (com perfis térmicos e poliamida low λ)
 Thermally improved solution (with thermal profiles and low- λ polyamide)
 Solution thermiquement améliorée (avec profilés thermiques and polyamide à faible λ)

$w = 0,0510 \text{ m} \mid U_f = 2,459 \text{ W/(m}^2\text{K)}$



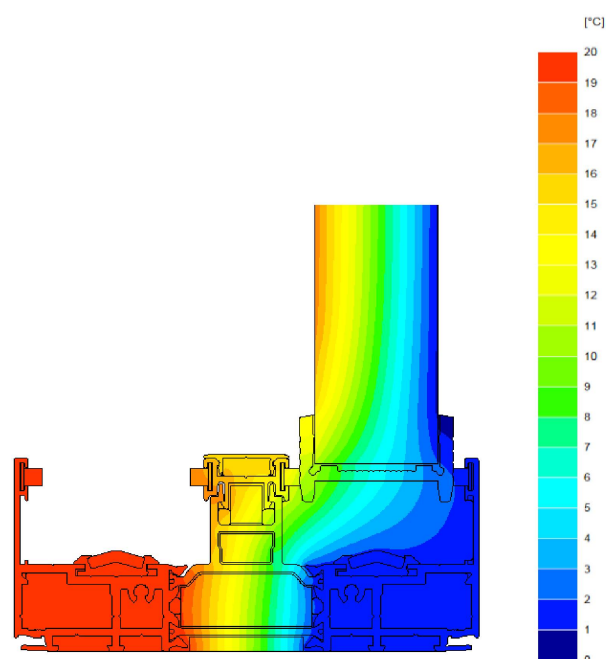
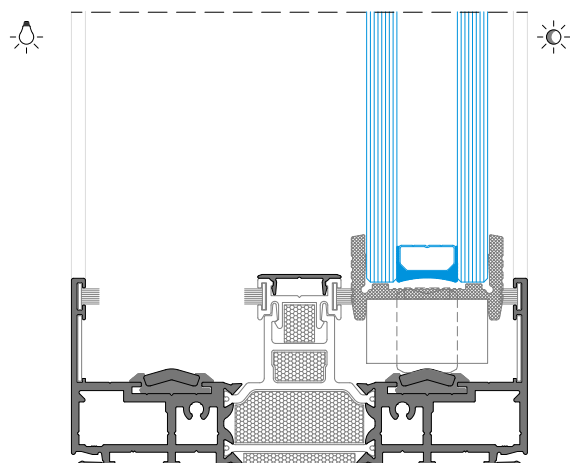
CALCULOS TÉRMICOS OS-D⁺
 THERMAL CALCULATIONS FOR OS-D⁺
 CALCULATIONS THERMIQUES OS-D⁺

- **SOLEIRA 2R (EXTERIOR)**
 2R SILL (OUTSIDE)
 SEUIL 2R (EXTÉRIEUR)



Solução standard
 Standard solution
 Solution standard

$w = 0,0509 \text{ m} \mid U_f = 6,465 \text{ W/(m}^2\text{K)}$

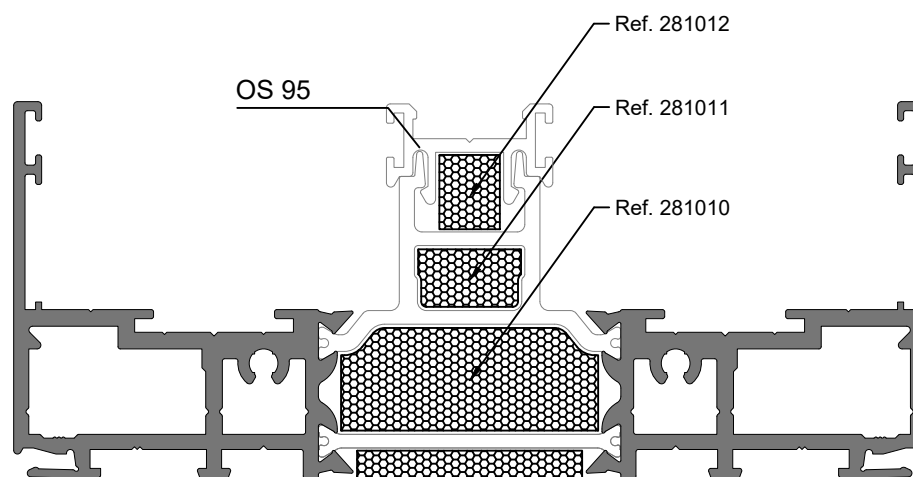


Solução termicamente melhorada (com perfis térmicos e poliamida low λ)
 Thermally improved solution (with thermal profiles and low- λ polyamide)
 Solution thermiquement améliorée (avec profilés thermiques and polyamide à faible λ)

$w = 0,0510 \text{ m} \mid U_f = 2,415 \text{ W/(m}^2\text{K)}$



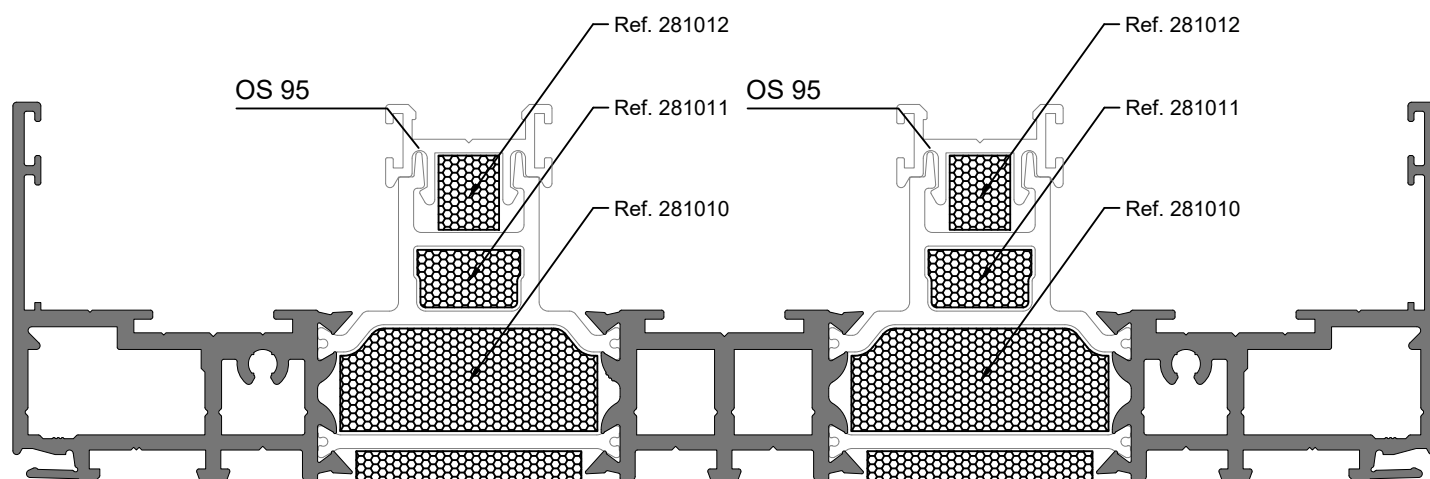
APLICAÇÃO DE PERFIS TÉRMICOS NA OS-D⁺
THERMAL PROFILES APPLICATION IN OS-D⁺
APPLICATION DES PROFILÉS THERMIQUES DANS OS-D⁺



VO 10

Ombreira/padieira/soleira 2-rail

2-rail Door jamb/intel/sill | Jambage/linteau/seuil 2-rail



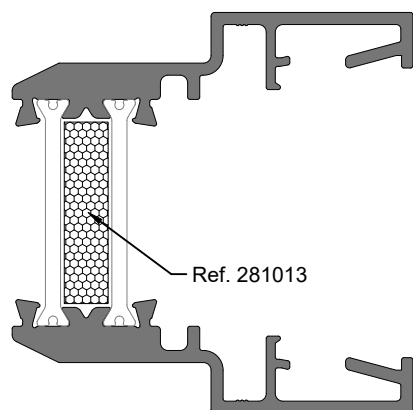
VO 20

Ombreira/padieira/soleira 3-rail

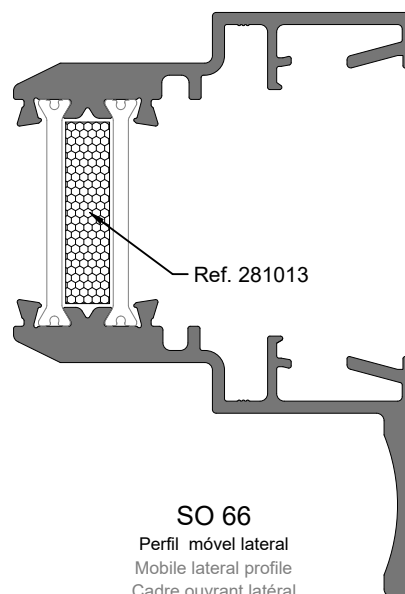
3-rail Door jamb/intel/sill | Jambage/linteau/seuil 3-rail



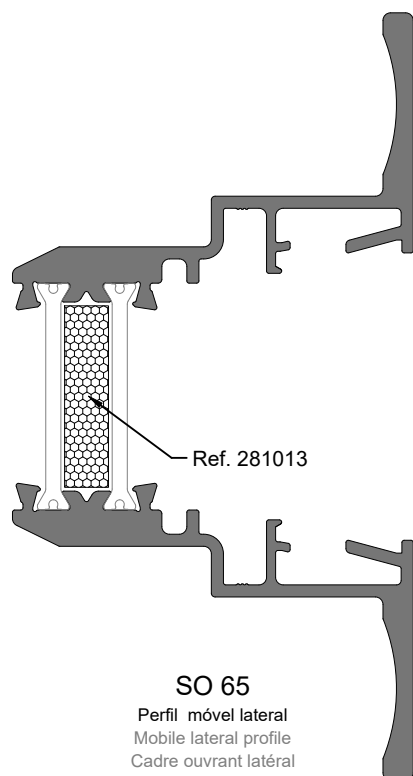
APLICAÇÃO DE PERFIS TÉRMICOS NA OS-D⁺
 THERMAL PROFILES APPLICATION IN OS-D⁺
 APPLICATION DES PROFILÉS THERMIQUES DANS OS-D⁺



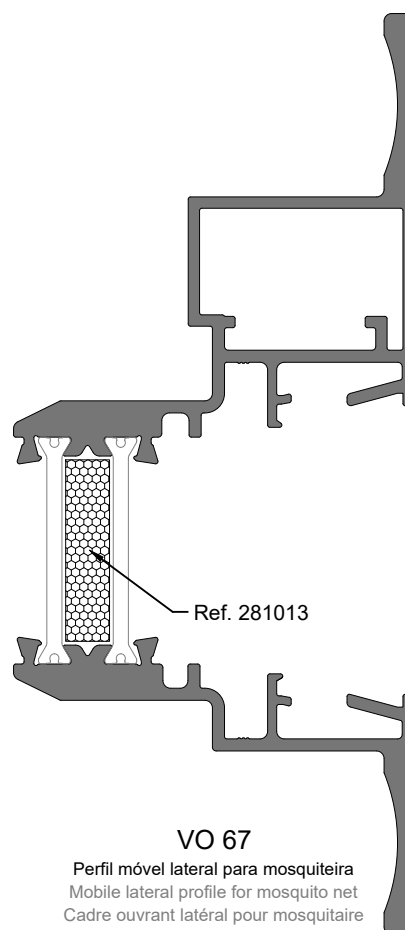
SO 64
 Perfil móvel lateral
 Mobile lateral profile
 Cadre ouvrant latéral



SO 66
 Perfil móvel lateral
 Mobile lateral profile
 Cadre ouvrant latéral



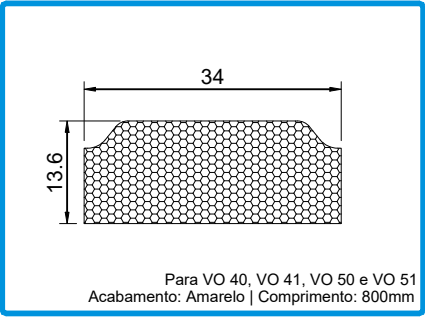
SO 65
 Perfil móvel lateral
 Mobile lateral profile
 Cadre ouvrant latéral



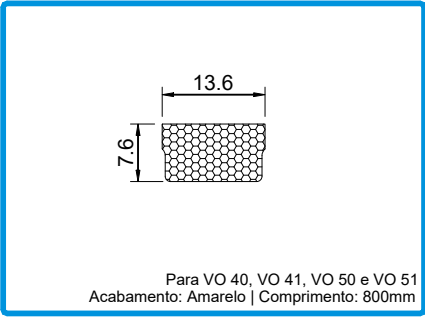
VO 67
 Perfil móvel lateral para mosquiteira
 Mobile lateral profile for mosquito net
 Cadre ouvrant latéral pour mosquitaire



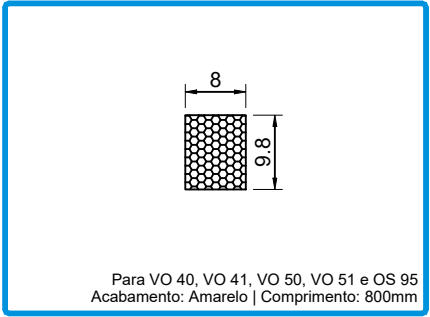
PERFIS TÉRMICOS PARA OS-T⁺
THERMAL PROFILES FOR OS-T⁺
PROFILÉS THERMIQUES POUR OS-T⁺



281010 PERFIL TÉRMICO OS THP0196



281011 PERFIL TÉRMICO OS THP0197



281012 PERFIL TÉRMICO OS THP0200

CÁLCULOS TÉRMICOS PARA OS-T⁺
THERMAL CALCULATIONS FOR OS-T⁺
CALCULS THERMIQUES POUR OS-T⁺

EXEMPLO 1 - Janela 2 Folhas 4,6m x 4,0m (L x H) com Vidro Ug = 0,6 W/m²K
EXAMPLE 1 - 2 Sashes Window 4,6m x 4,0m (L x H) with Glass Ug = 0,6 W/m²K
EXEMPLE 1 - Fenêtre 2 Ventaux 4,6m x 4,0m (L x H) avec Verre Ug = 0,6 W/m²K

Solução standard
Standard solution
Solution standard

Uw = 0,95 W/(m²K)

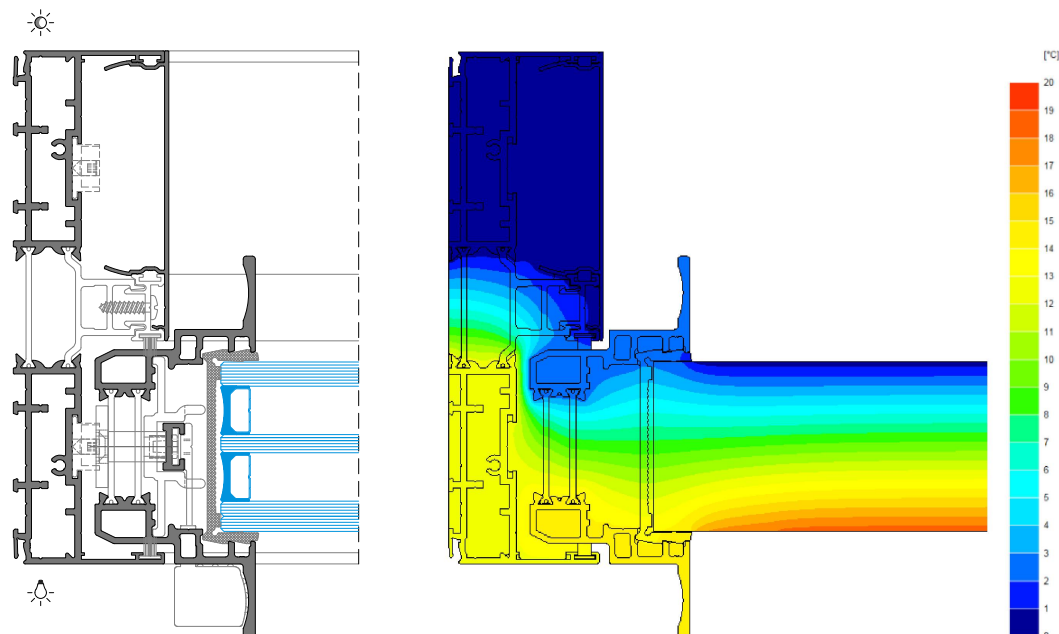
Solução termicamente melhorada
Thermally improved solution
Solution thermiquement améliorée

Uw = 0,90 W/(m²K)



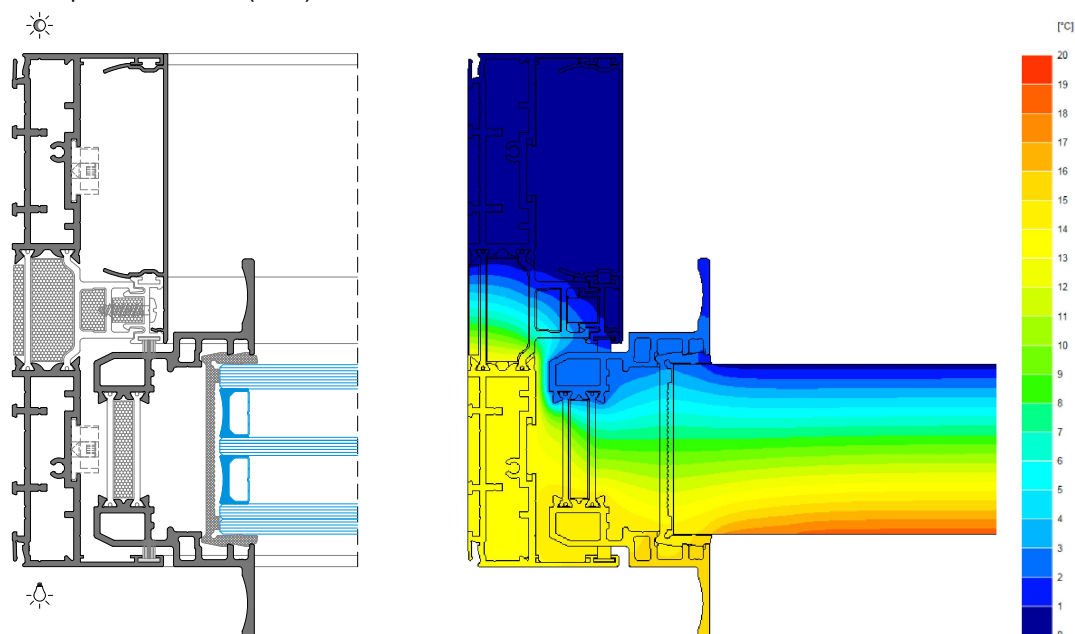
CALCULOS TÉRMICOS OS-T⁺
 THERMAL CALCULATIONS FOR OS-T⁺
 CALCULATIONS THERMIQUES OS-T⁺

- **ARO LATERAL 2R (INTERIOR)**
 2R LATERAL FRAME (INSIDE)
 CADRE LATÉRAL 2R (INTÉRIEUR)



Solução standard
 Standard solution
 Solution standard

w = 0,0800 m | Uf = 4,384 W/(m²K)



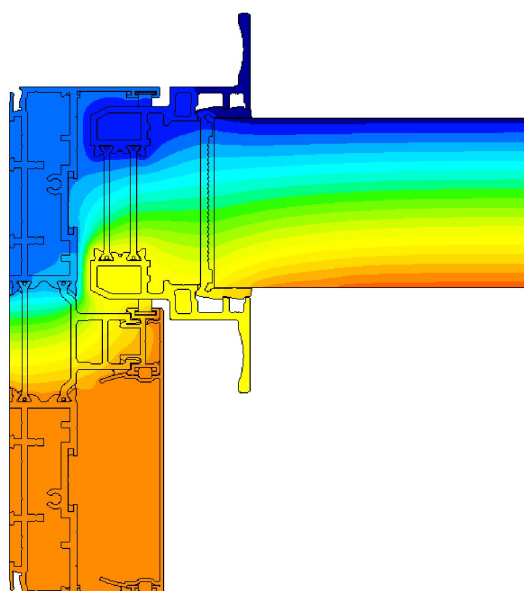
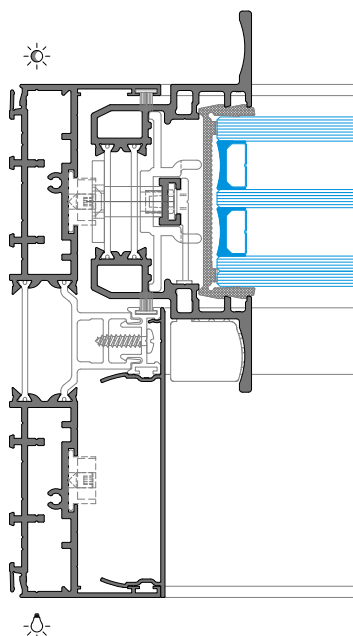
Solução termicamente melhorada (com perfis térmicos e poliamida low λ)
 Thermally improved solution (with thermal profiles and low-λ polyamide)
 Solution thermiquement améliorée (avec profilés thermiques and polyamide à faible λ)

w = 0,0800 m | Uf = 3,323 W/(m²K)



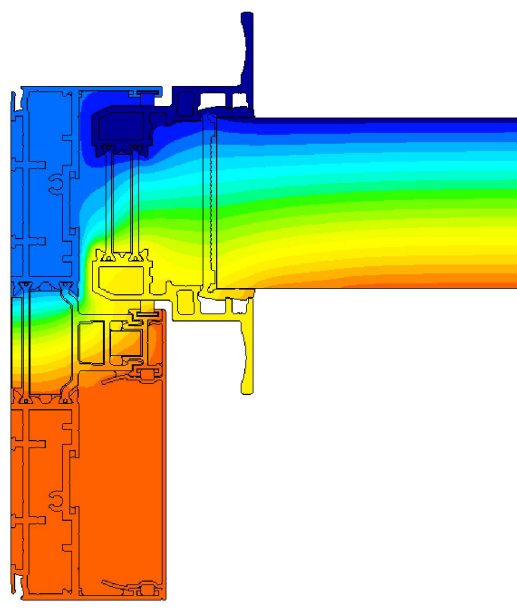
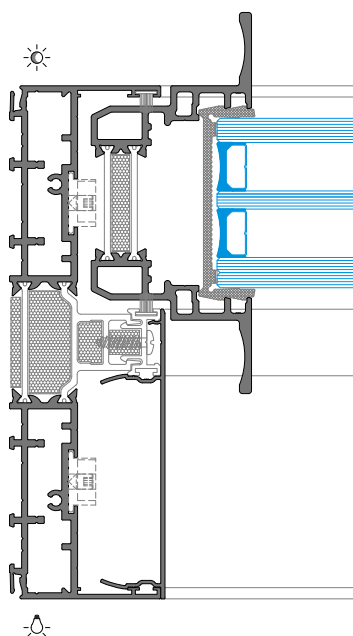
CALCULOS TÉRMICOS OS-T⁺
 THERMAL CALCULATIONS FOR OS-T⁺
 CALCULATIONS THERMIQUES OS-T⁺

- **ARO LATERAL 2R (EXTERIOR)**
 2R LATERAL FRAME (OUTSIDE)
 CADRE LATÉRAL 2R (EXTÉRIEUR)



Solução standard
 Standard solution
 Solution standard

w = 0,0800 m | Uf = 3,916 W/(m²K)



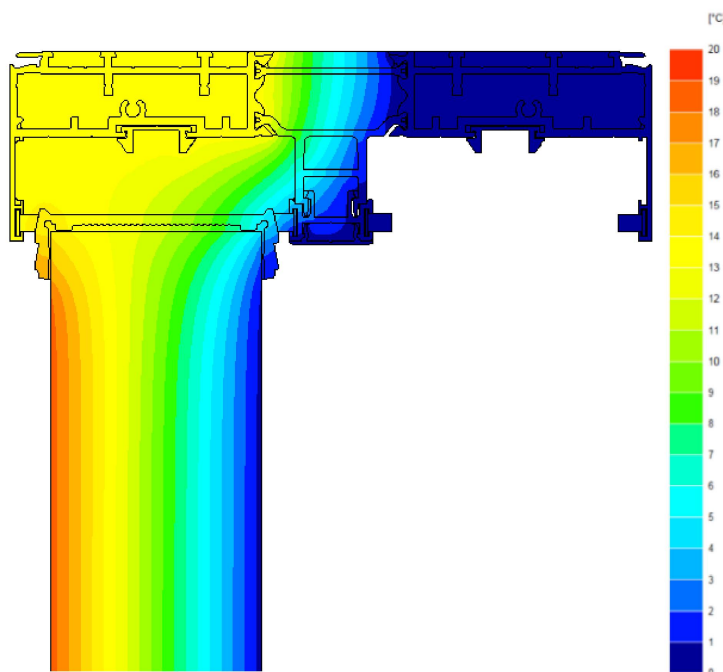
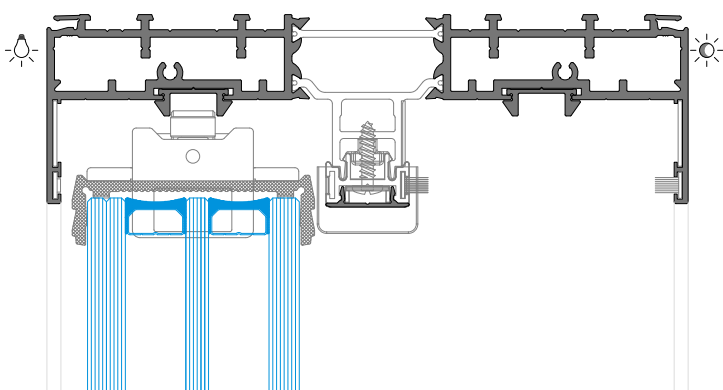
Solução termicamente melhorada (com perfis térmicos e poliamida low λ)
 Thermally improved solution (with thermal profiles and low-λ polyamide)
 Solution thermiquement améliorée (avec profilés thermiques and polyamide à faible λ)

w = 0,0800 m | Uf = 3,591 W/(m²K)



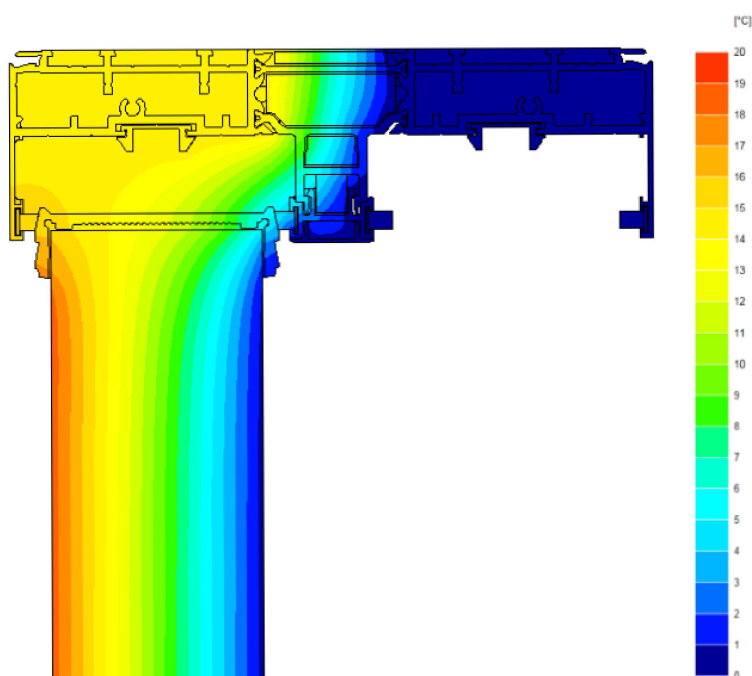
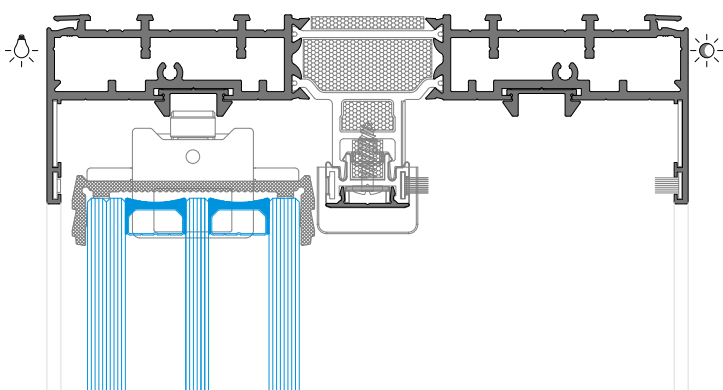
CALCULOS TÉRMICOS OS-T⁺
 THERMAL CALCULATIONS FOR OS-T⁺
 CALCULATIONS THERMIQUES OS-T⁺

- PADIEIRA 2R (INTERIOR)**
 2R LINTEL (INSIDE)
 LINTEAU 2R (INTÉRIEUR)



Solução standard
 Standard solution
 Solution standard

$w = 0,051 \text{ m} \mid U_f = 3,418 \text{ W}/(\text{m}^2\text{K})$



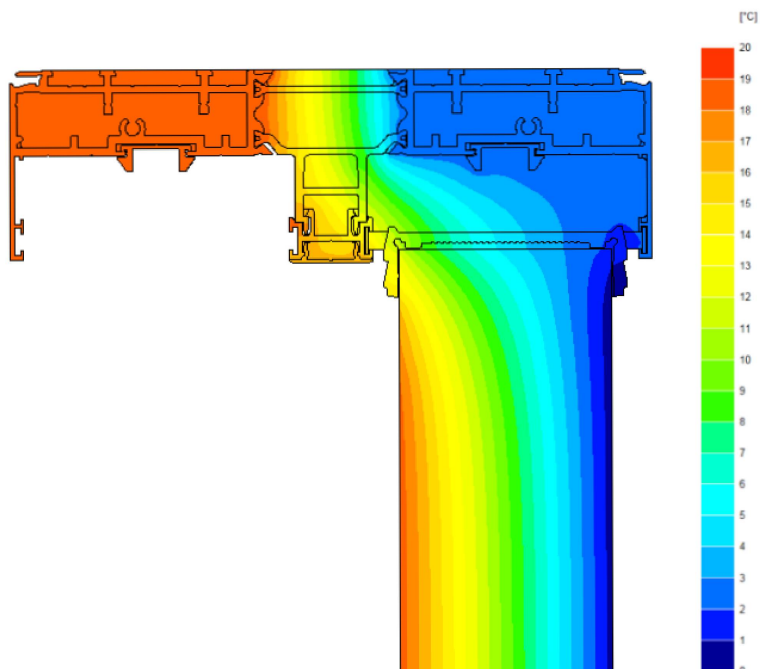
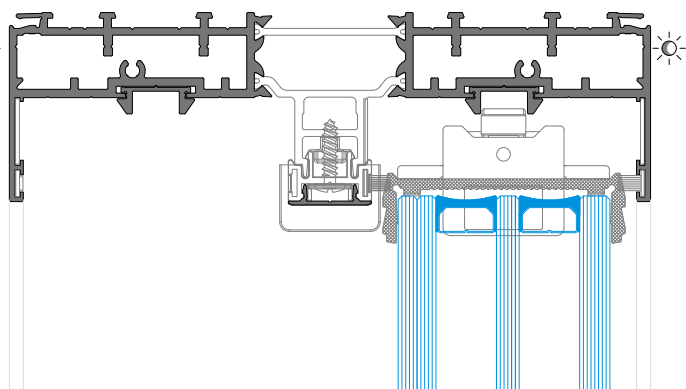
Solução termicamente melhorada (com perfis térmicos e poliamida low λ)
 Thermally improved solution (with thermal profiles and low- λ polyamide)
 Solution thermiquement améliorée (avec profilés thermiques and polyamide à faible λ)

$w = 0,051 \text{ m} \mid U_f = 2,676 \text{ W}/(\text{m}^2\text{K})$



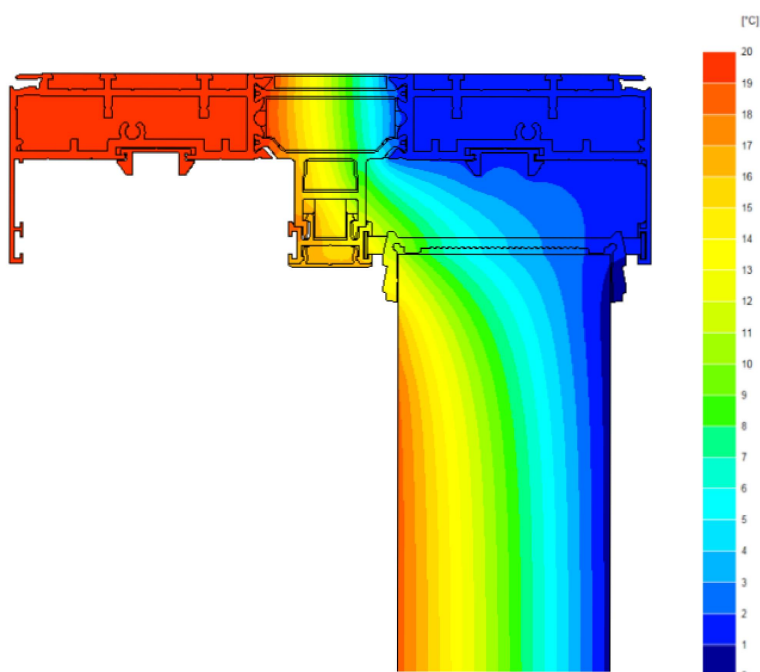
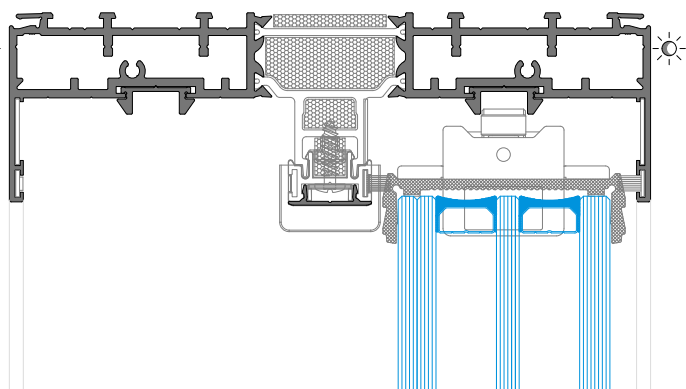
CALCULOS TÉRMICOS OS-T⁺
 THERMAL CALCULATIONS FOR OS-T⁺
 CALCULATIONS THERMIQUES OS-T⁺

- PADIEIRA 2R (EXTERIOR)**
 2R LINTEL (OUTSIDE)
 LINTEAU 2R (EXTÉRIEUR)



Solução standard
 Standard solution
 Solution standard

$w = 0,051 \text{ m} \mid U_f = 3,732 \text{ W/(m}^2\text{K)}$



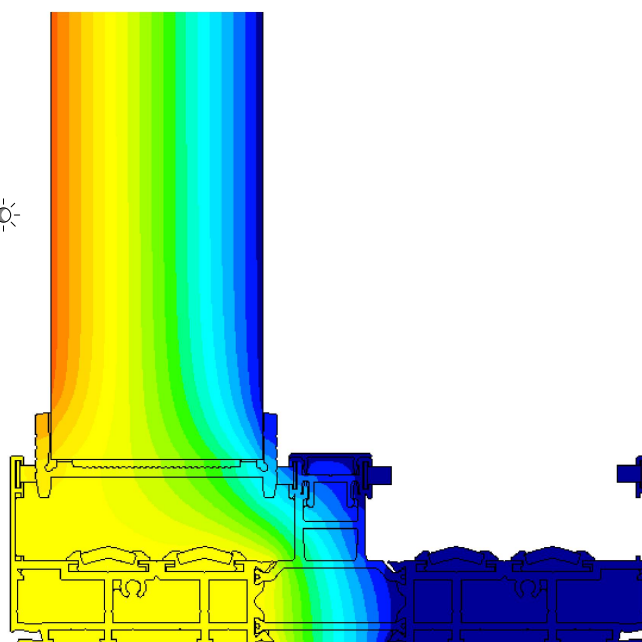
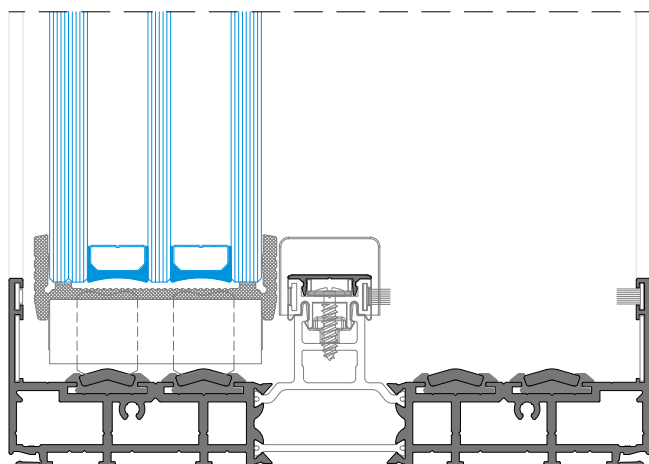
Solução termicamente melhorada (com perfis térmicos e poliamida low λ)
 Thermally improved solution (with thermal profiles and low- λ polyamide)
 Solution thermiquement améliorée (avec profilés thermiques and polyamide à faible λ)

$w = 0,051 \text{ m} \mid U_f = 2,635 \text{ W/(m}^2\text{K)}$



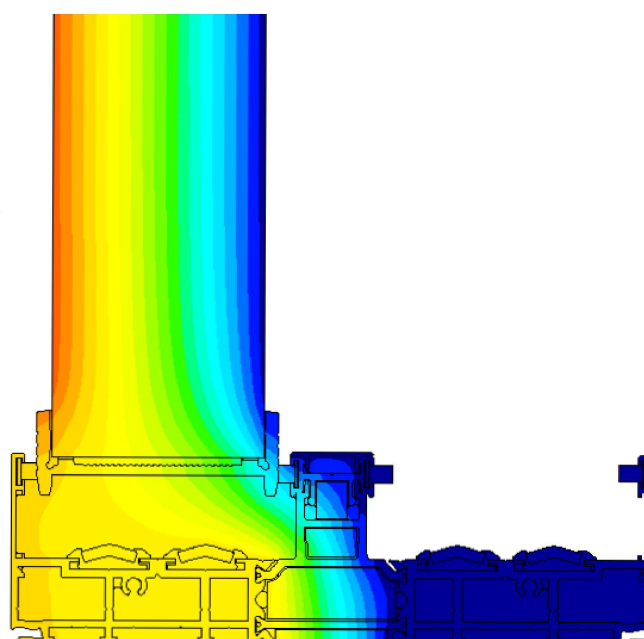
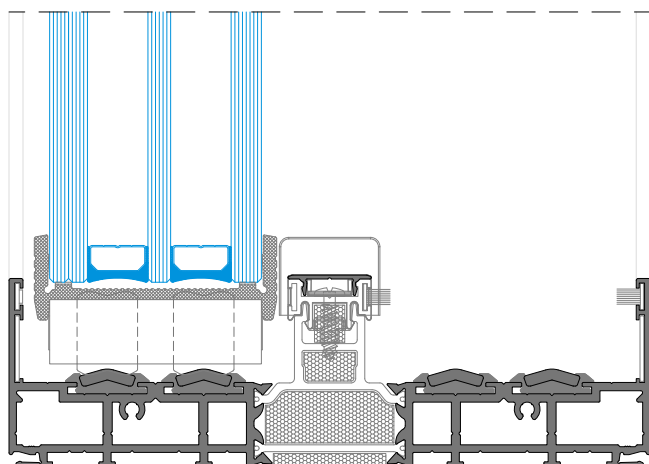
CALCULOS TÉRMICOS OS-T⁺
 THERMAL CALCULATIONS FOR OS-T⁺
 CALCULATIONS THERMIQUES OS-T⁺

- **SOLEIRA 2R (INTERIOR)**
 2R SILL (INSIDE)
 SEUIL 2R (INTÉRIEUR)



Solução standard
 Standard solution
 Solution standard

$w = 0,051 \text{ m} \mid U_f = 3,407 \text{ W/(m}^2\text{K)}$



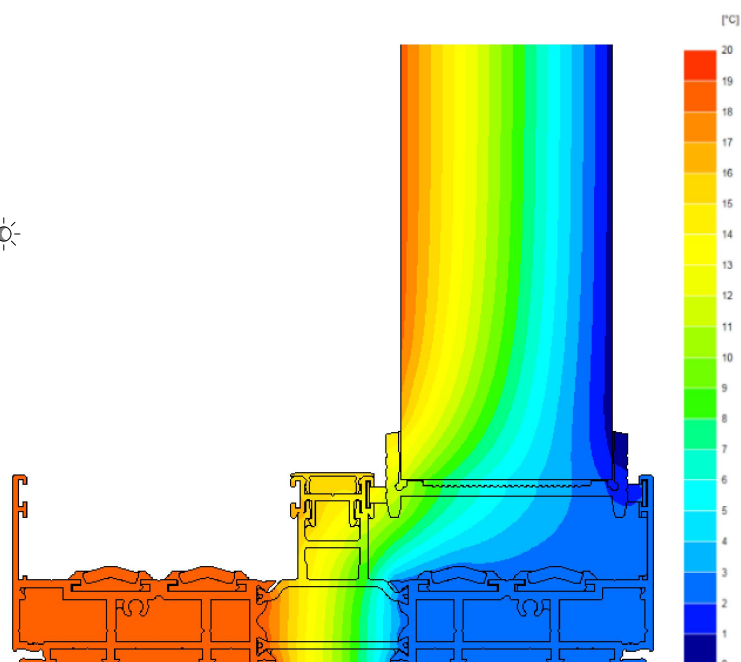
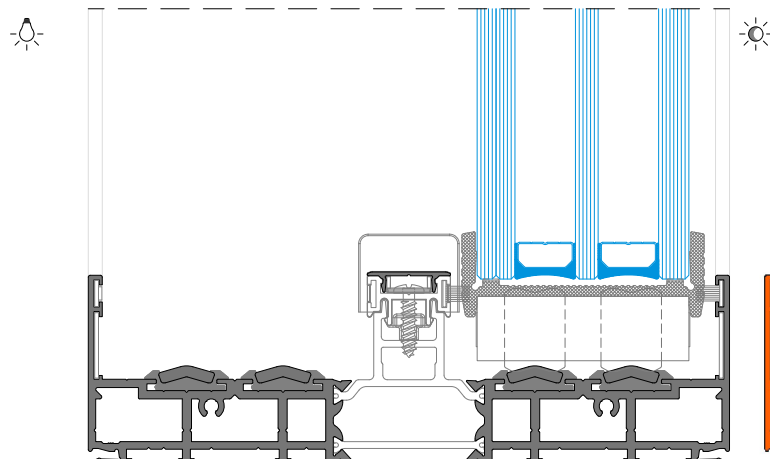
Solução termicamente melhorada (com perfis térmicos e poliamida low λ)
 Thermally improved solution (with thermal profiles and low- λ polyamide)
 Solution thermiquement améliorée (avec profilés thermiques and polyamide à faible λ)

$w = 0,051 \text{ m} \mid U_f = 2,659 \text{ W/(m}^2\text{K)}$



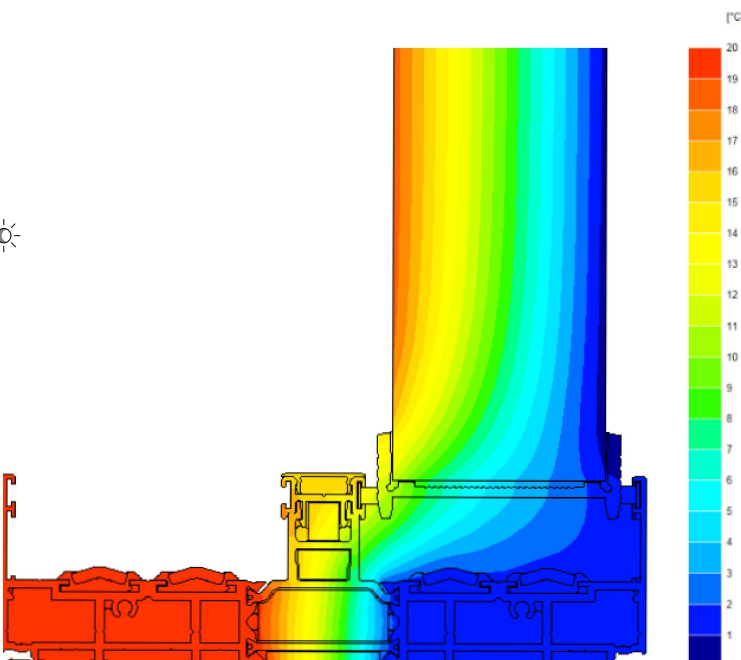
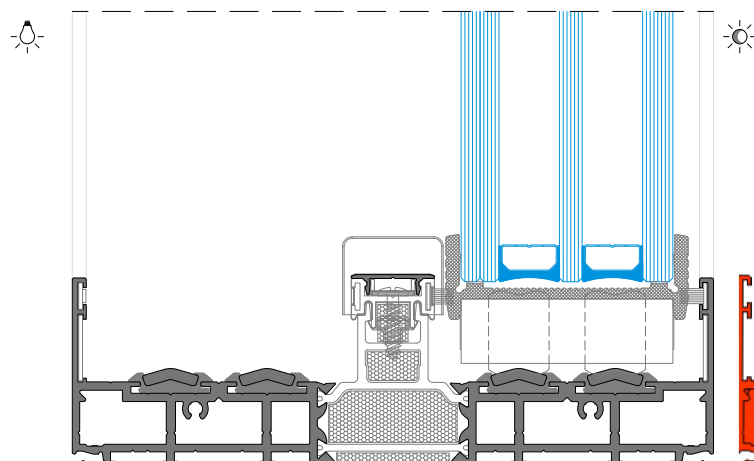
CALCULOS TÉRMICOS OS-T⁺
 THERMAL CALCULATIONS FOR OS-T⁺
 CALCULATIONS THERMIQUES OS-T⁺

- **SOLEIRA 2R (EXTERIOR)**
 2R SILL (OUTSIDE)
 SEUIL 2R (EXTÉRIEUR)



Solução standard
 Standard solution
 Solution standard

w = 0,051 m | Uf = 3,656 W/(m²K)

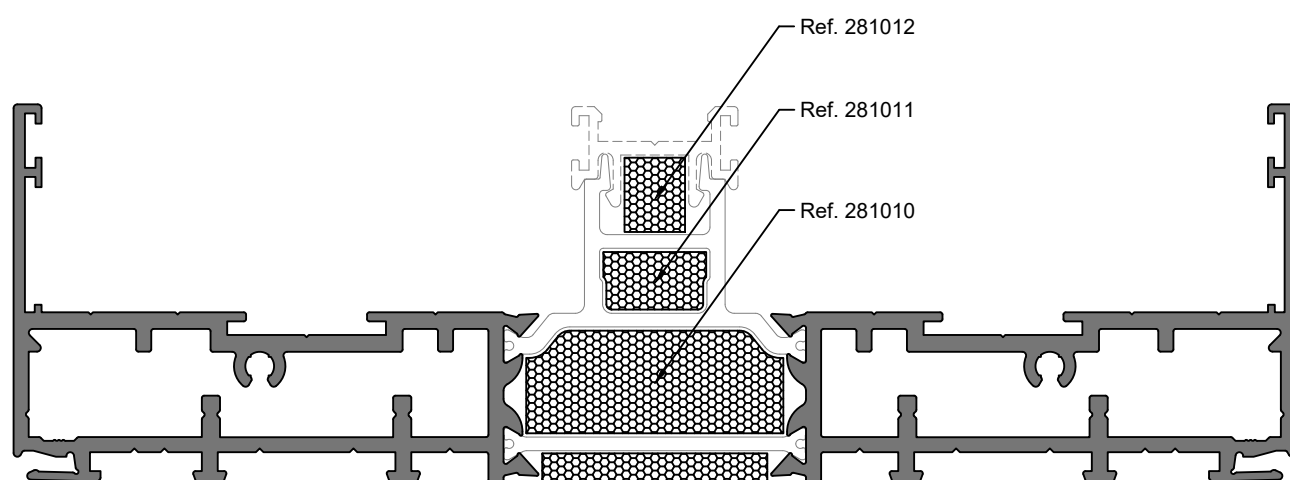


Solução termicamente melhorada (com perfis térmicos e poliamida low λ)
 Thermally improved solution (with thermal profiles and low-λ polyamide)
 Solution thermiquement améliorée (avec profilés thermiques and polyamide à faible λ)

w = 0,051 m | Uf = 2,567 W/(m²K)

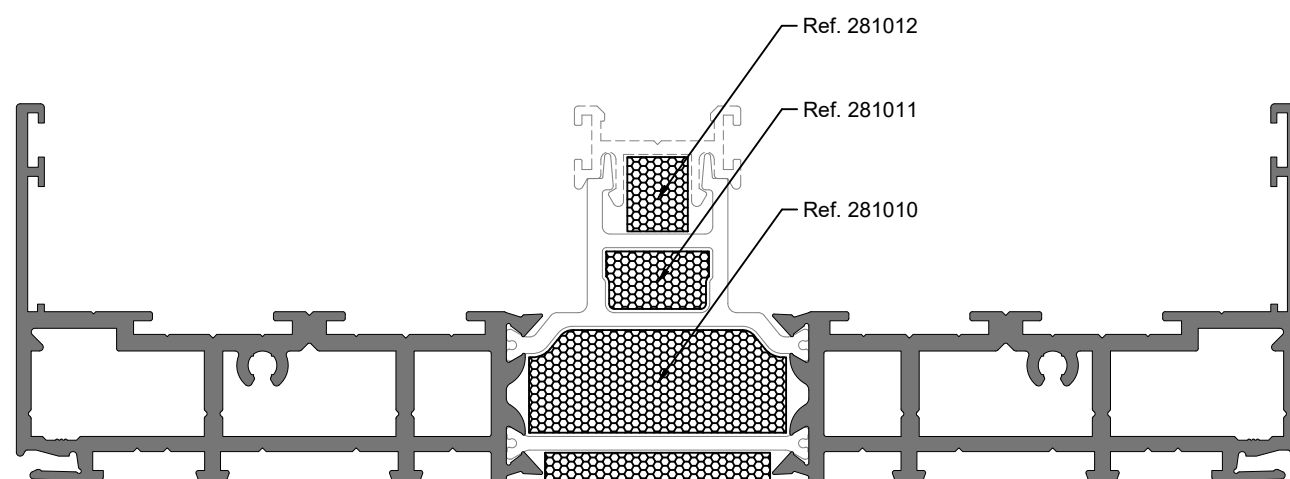


APLICAÇÃO DE PERFIS TÉRMICOS NA OS-T⁺
THERMAL PROFILES APPLICATION IN OS-T⁺
APPLICATION DES PROFILÉS THERMIQUES DANS OS-T⁺



VO 41

Ombreira/padieira 2-rail
2-rail Jamb/intel | Jambage/linteau 2-rail

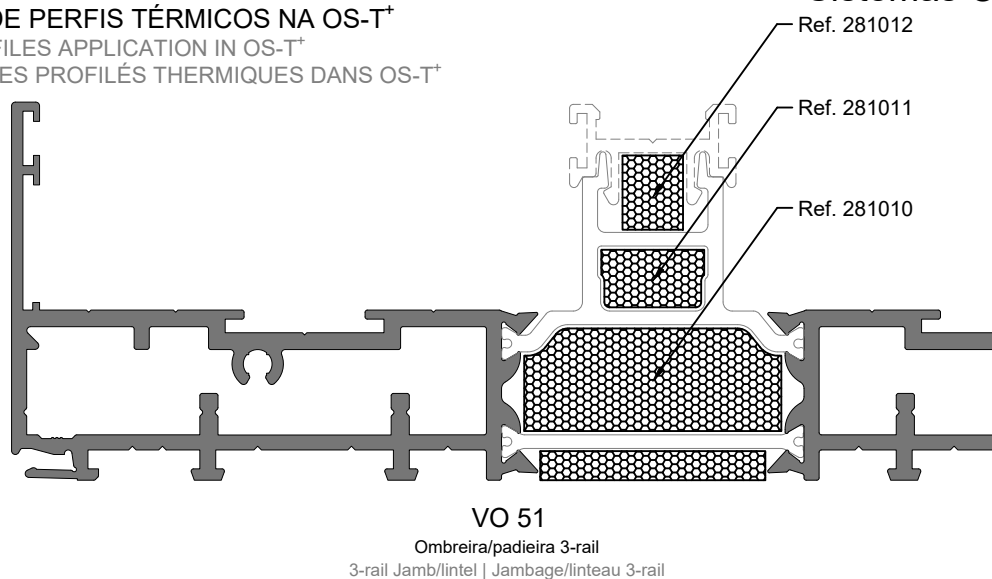


VO 40

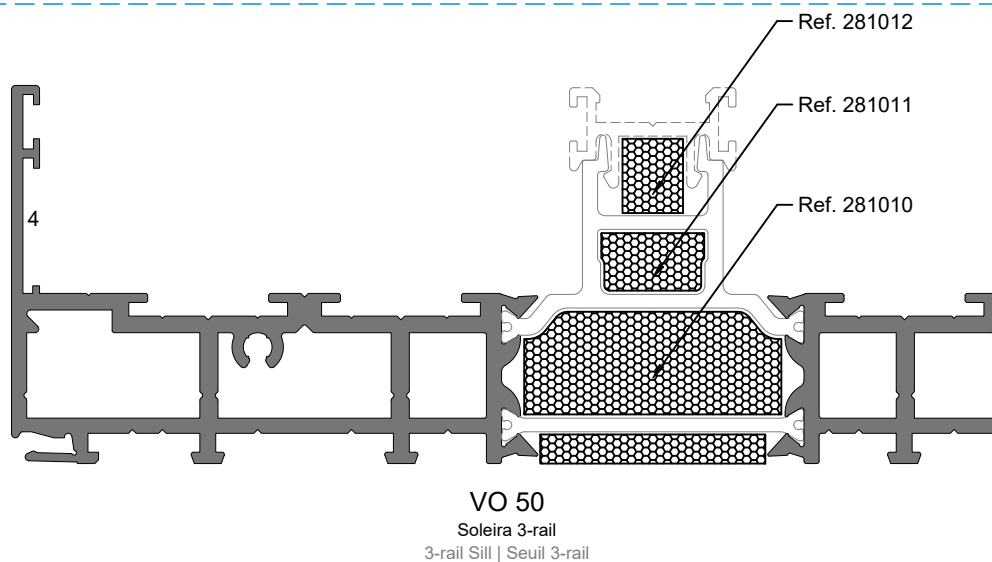
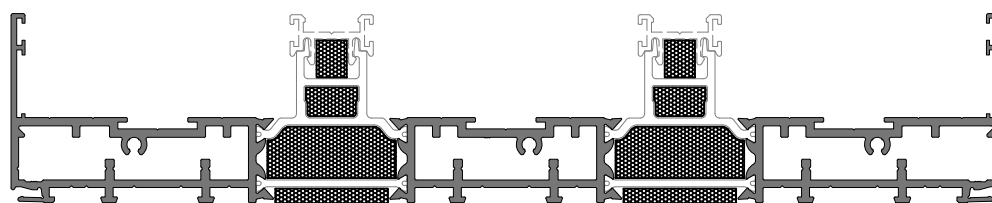
soleira 2-rail
2-rail sill | seuil 2-rail

S

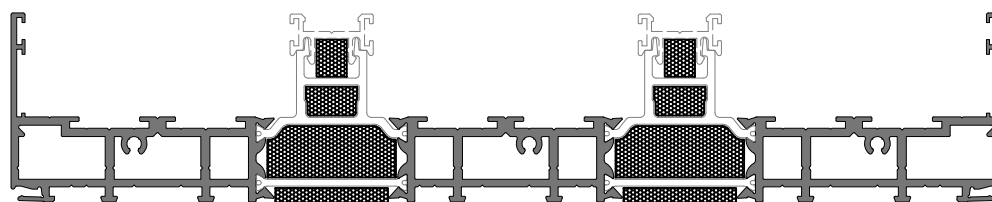
APLICAÇÃO DE PERFIS TÉRMICOS NA OS-T⁺
 THERMAL PROFILES APPLICATION IN OS-T⁺
 APPLICATION DES PROFILÉS THERMIQUES DANS OS-T⁺

Sistemas OS-D⁺ e OS-T⁺

VO 51
 (Esc. | Scl. | Éch.: 1/2)

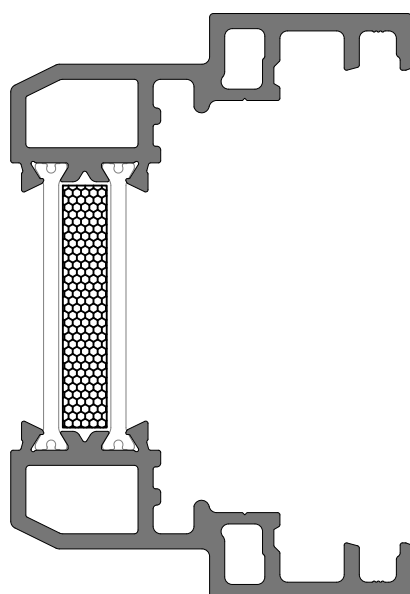


VO 50
 (Esc. | Scl. | Éch.: 1/2)

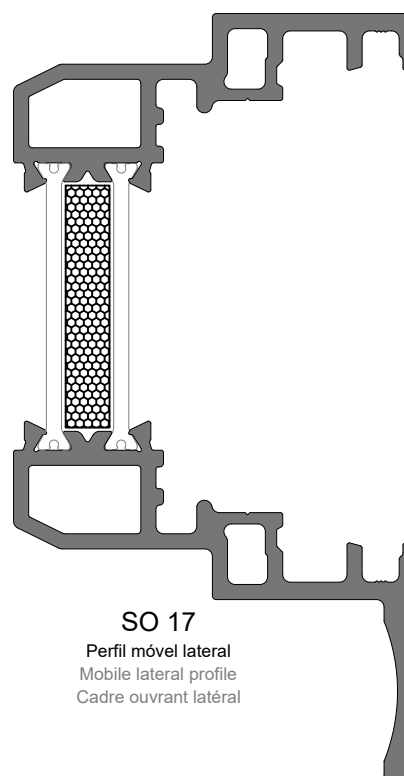




APLICAÇÃO DE PERFIS TÉRMICOS NA OS-T⁺
THERMAL PROFILES APPLICATION IN OS-T⁺
APPLICATION DES PROFILÉS THERMIQUES DANS OS-T⁺

**SO 08**

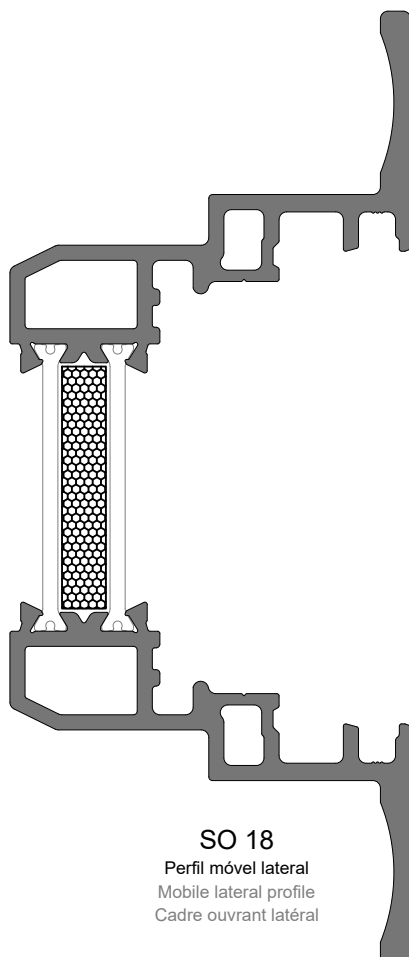
Perfil móvel lateral
Mobile lateral profile
Cadre ouvrant latéral

**SO 17**

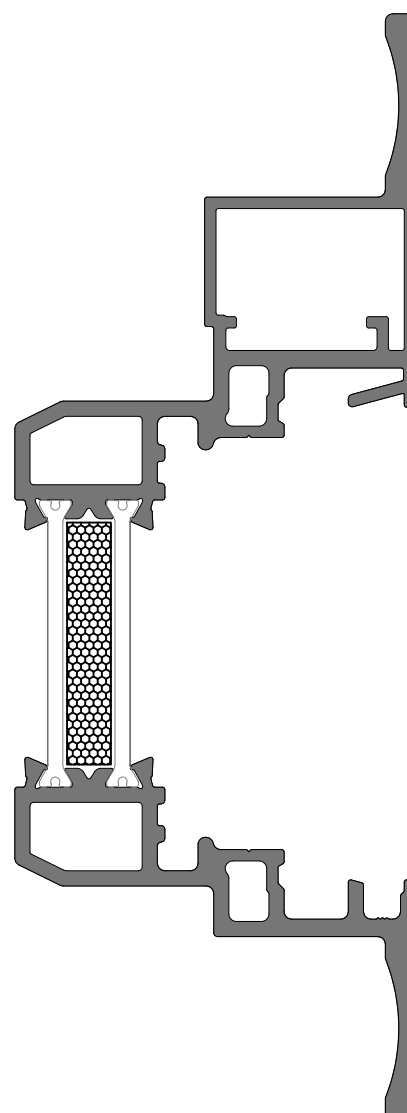
Perfil móvel lateral
Mobile lateral profile
Cadre ouvrant latéral



APLICAÇÃO DE PERFIS TÉRMICOS NA OS-T⁺
THERMAL PROFILES APPLICATION IN OS-T⁺
APPLICATION DES PROFILÉS THERMIQUES DANS OS-T⁺



SO 18
Perfil móvel lateral
Mobile lateral profile
Cadre ouvrant latéral



VO 66
Perfil móvel lateral mosquiteira OS T
Mosquito net mobile lateral profile
Cadre ouvrant latéral pour moustiquaire