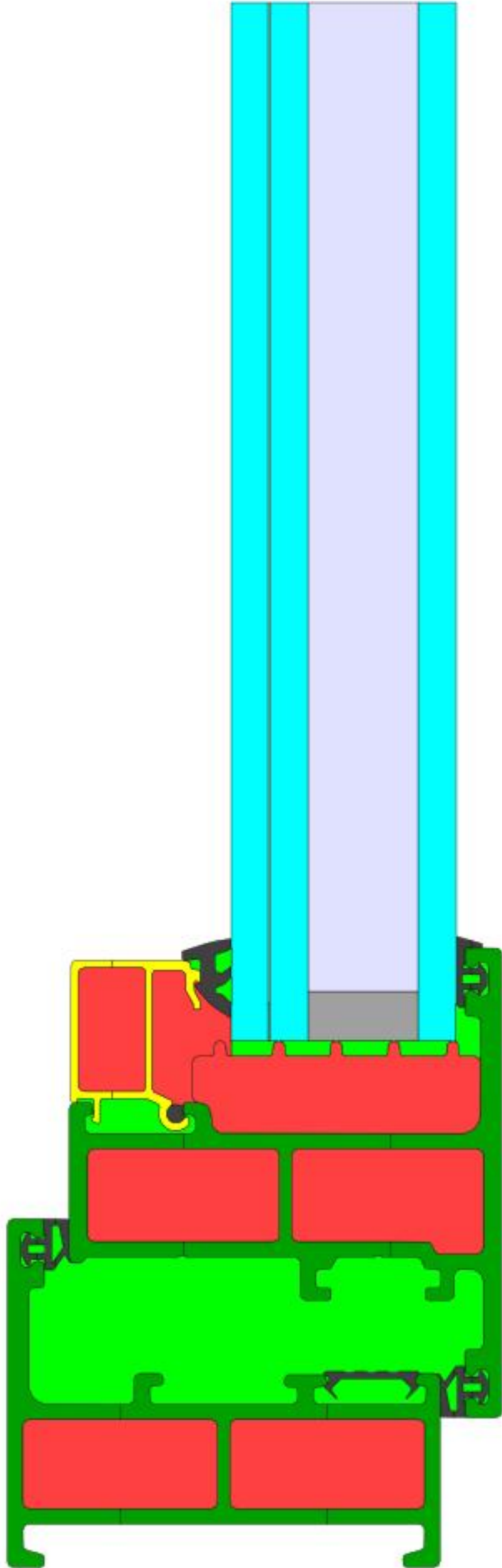


GR70 casement · Sill | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 1.720 W/m²K over 100.7 mm | Edge U 0.691 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole window at 600 x 1500 mm: KØLD 04 0.170 Btu/h·ft²·°F (R-5.9) · MILD 04 0.169 Btu/h·ft²·°F (R-5.9) · HEIT 04 0.169 Btu/h·ft²·°F (R-5.9)

Section and components



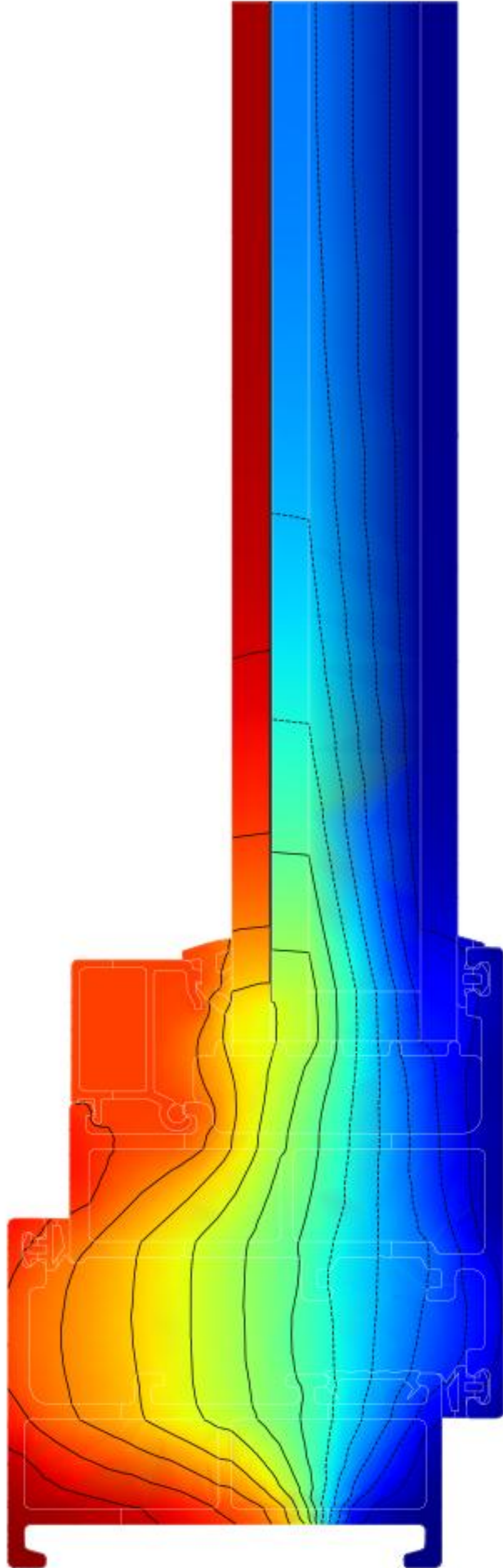
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass (GFRPU), k 0.114 W/m·K
- Aluminum glazing bead
- EPDM gaskets
- PU foam (standard insert)
- PU foam (chamber fill)

- PU foam (under bead)
- Glass, outer lite (low-E #2)
- Super Spacer Premium warm-edge spacer
- Argon 90%, 18 mm cavity
- Glass, vacuum unit outer lite

Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

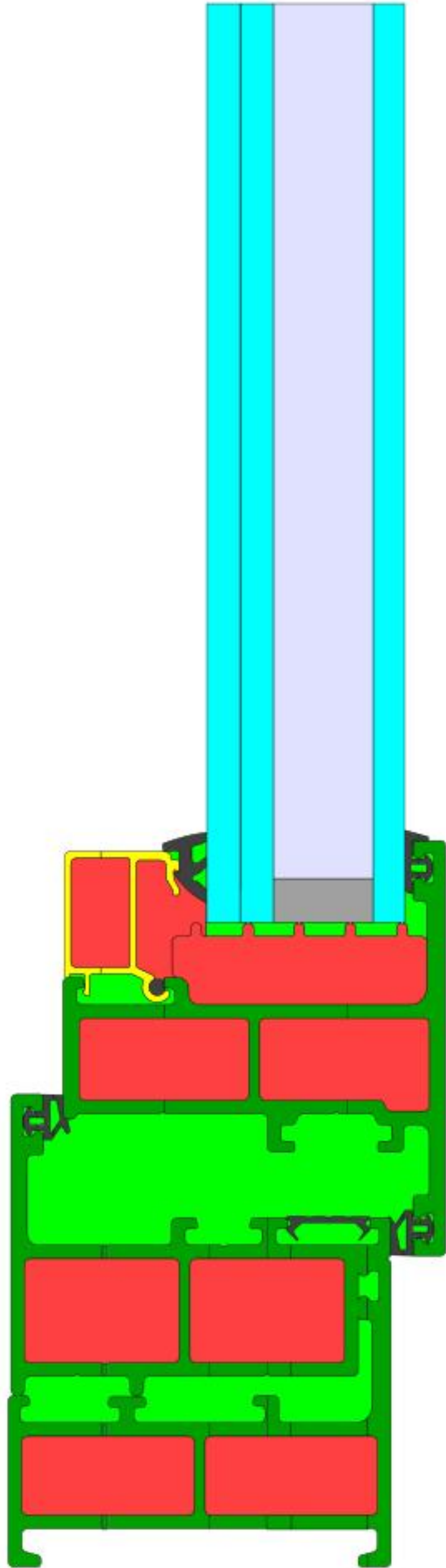
- Vacuum unit edge seal (welded titanium)
- Vacuum gap 0.3 mm (low-E #4 + #5)
- Glass, vacuum unit inner lite
- Air cavities (NFRC 100)

GR70 casement, tall frame · Sill | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 1.534 W/m²K over 133.4 mm | Edge U 0.699 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole window at 600 x 1500 mm: KØLD 04 0.182 Btu/h·ft²·°F (R-5.5) · MILD 04 0.182 Btu/h·ft²·°F (R-5.5) · HEIT 04 0.181 Btu/h·ft²·°F (R-5.5)

Section and components



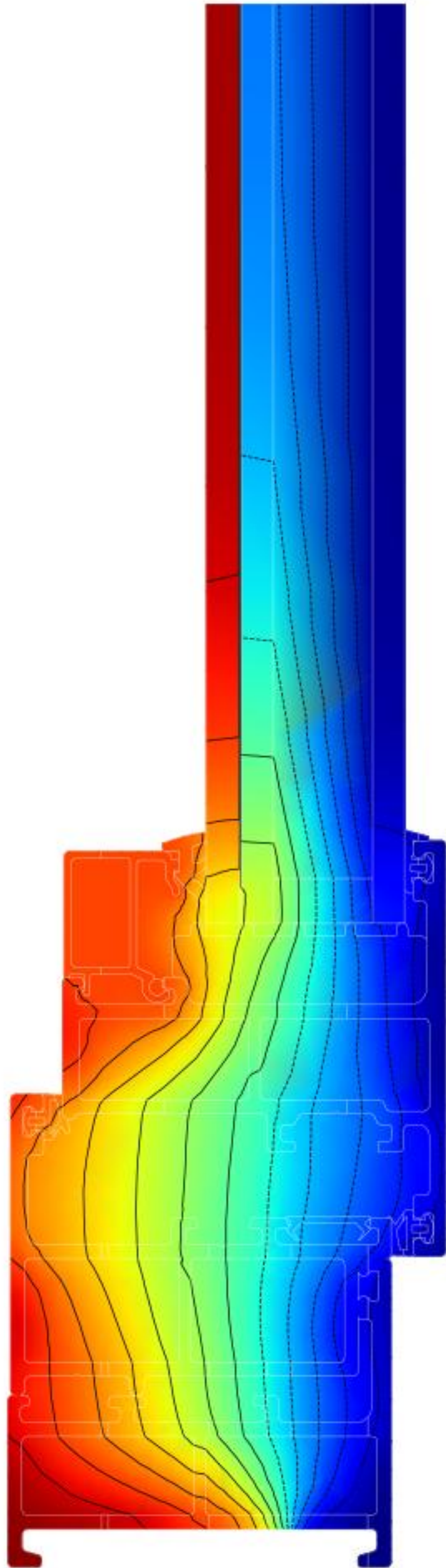
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass (GFRPU), k 0.114 W/m·K
- Aluminum glazing bead
- EPDM gaskets
- PU foam (standard insert)
- PU foam (chamber fill)

- PU foam (under bead)
- Glass, outer lite (low-E #2)
- Super Spacer Premium warm-edge spacer
- Argon 90%, 18 mm cavity
- Glass, vacuum unit outer lite

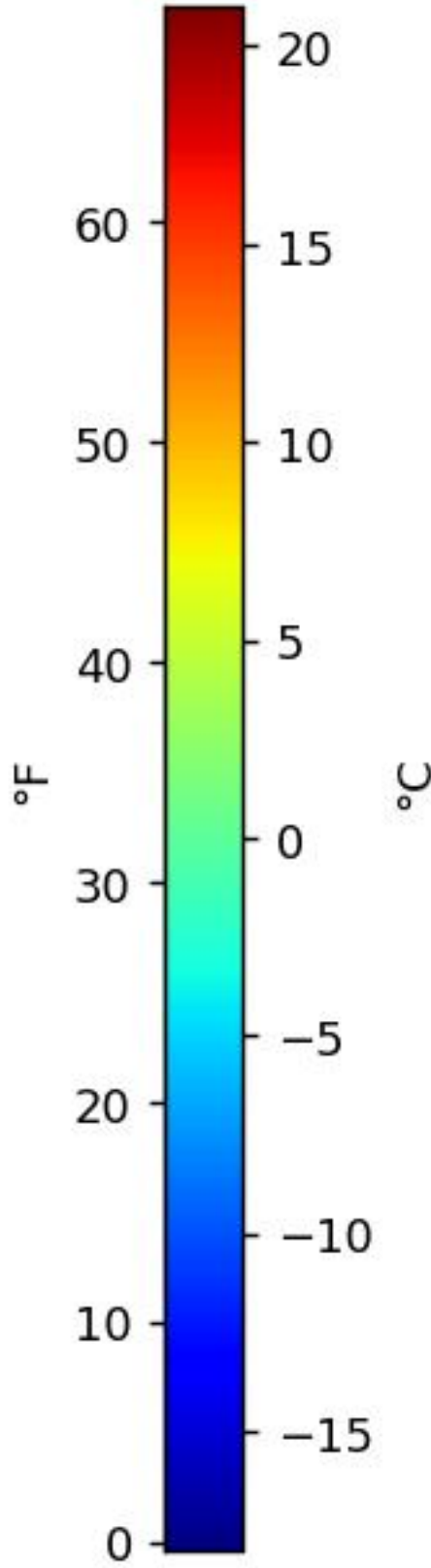
Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Vacuum unit edge seal (welded titanium)
- Vacuum gap 0.3 mm (low-E #4 + #5)
- Glass, vacuum unit inner lite
- Air cavities (NFRC 100)



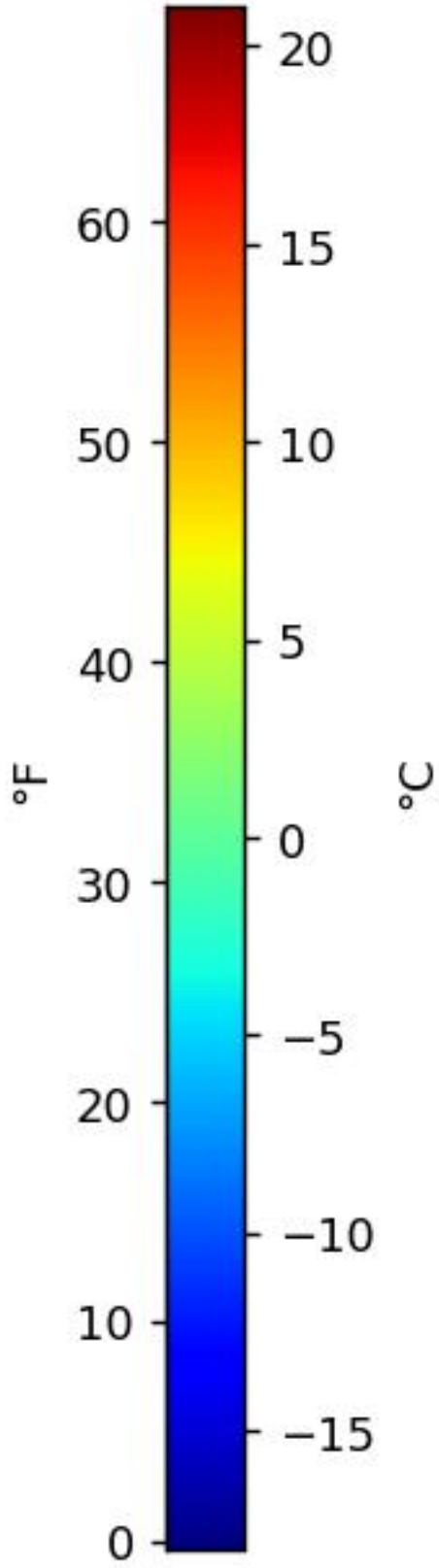
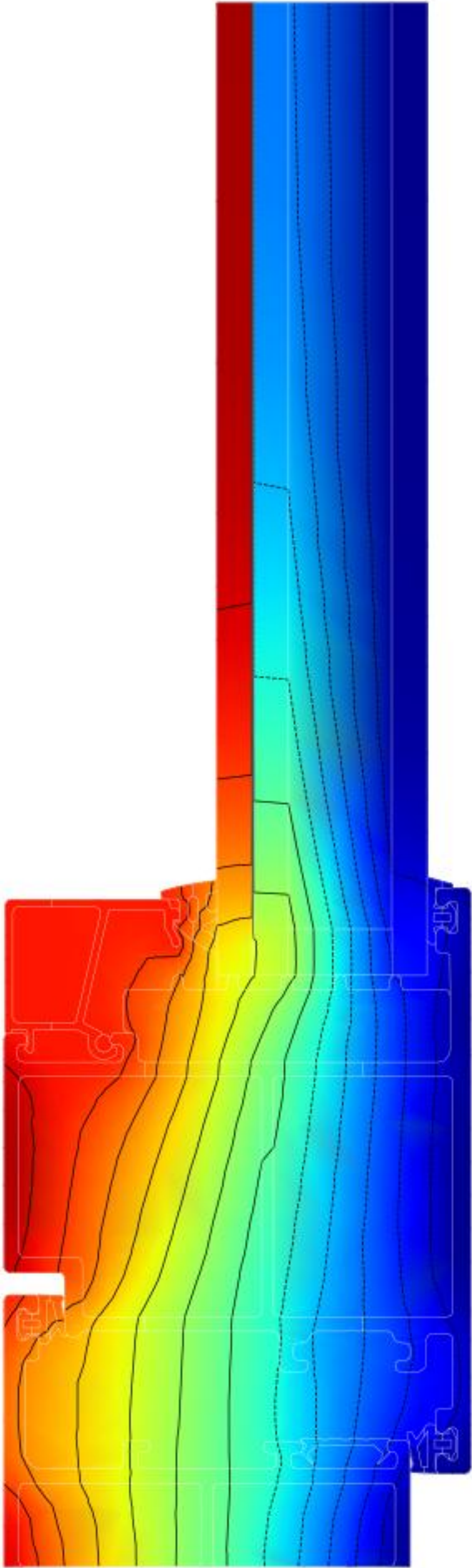
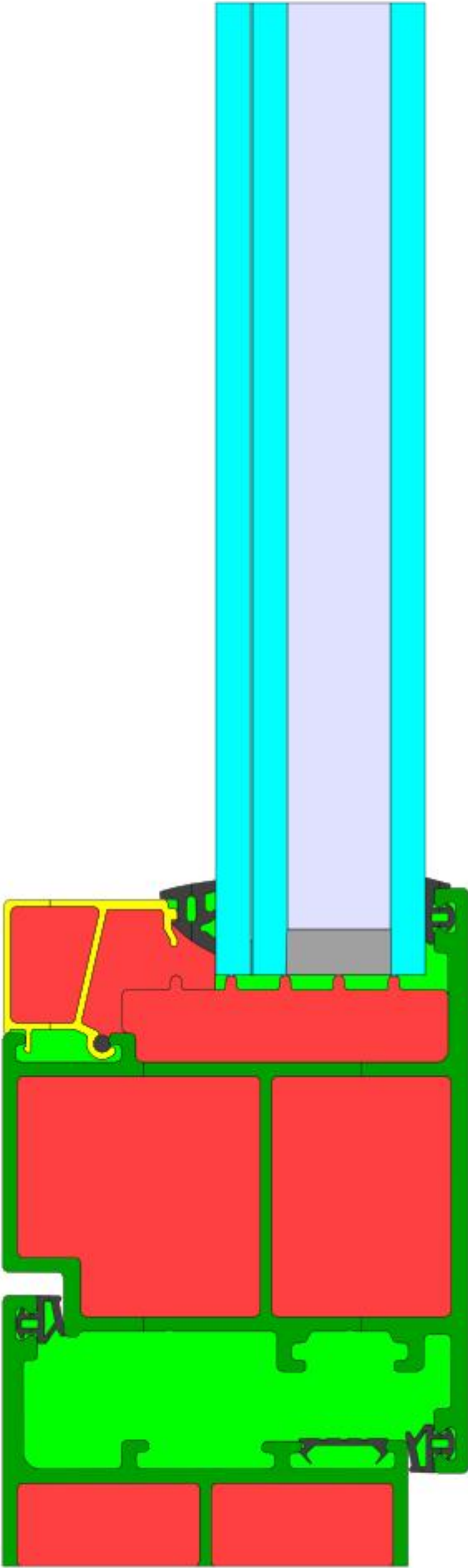
GR70 swing door · Head | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 1.180 W/m²K over 118.4 mm | Edge U 0.703 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door at 960 x 2090 mm: KØLD 04 0.125 Btu/h·ft²·°F (R-8.0) · MILD 04 0.124 Btu/h·ft²·°F (R-8.1) · HEIT 04 0.123 Btu/h·ft²·°F (R-8.1)

Section and components

Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass (GFRPU), k 0.114 W/m·K
- Aluminum glazing bead
- EPDM gaskets
- PU foam (standard insert)
- PU foam (chamber fill)

- PU foam (under bead)
- Glass, outer lite (low-E #2)
- Super Spacer Premium warm-edge spacer
- Argon 90%, 18 mm cavity
- Glass, vacuum unit outer lite

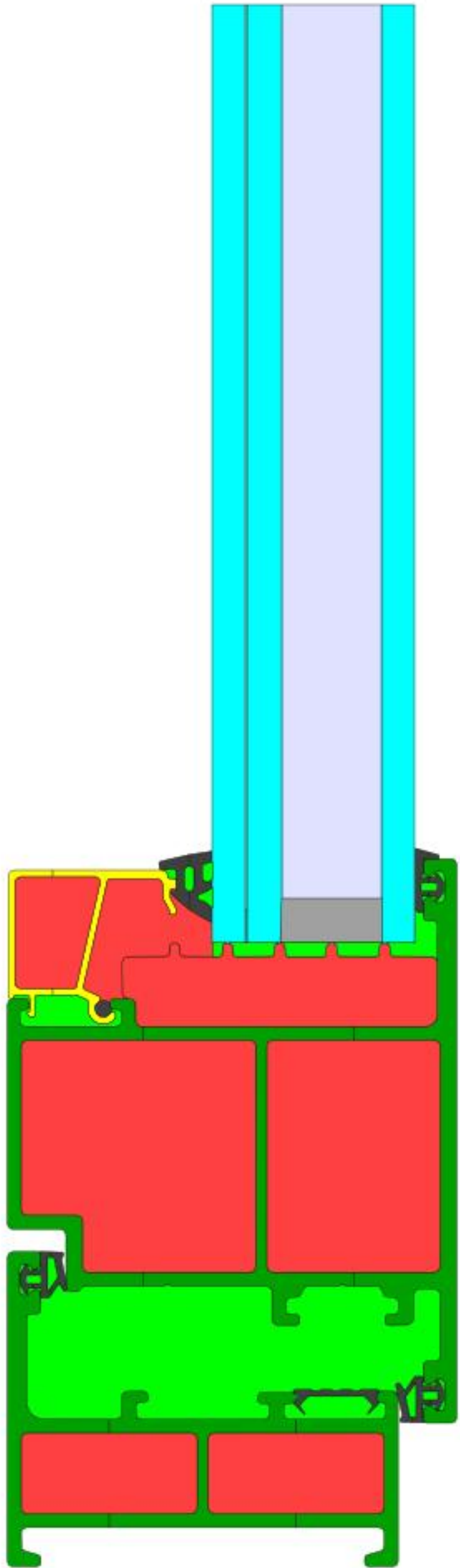
- Vacuum unit edge seal (welded titanium)
- Vacuum gap 0.3 mm (low-E #4 + #5)
- Glass, vacuum unit inner lite
- Air cavities (NFRC 100)

GR70 swing door · Jamb 1 | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 1.396 W/m²K over 127.1 mm | Edge U 0.699 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door at 960 x 2090 mm: KØLD 04 0.125 Btu/h·ft²·°F (R-8.0) · MILD 04 0.124 Btu/h·ft²·°F (R-8.1) · HEIT 04 0.123 Btu/h·ft²·°F (R-8.1)

Section and components



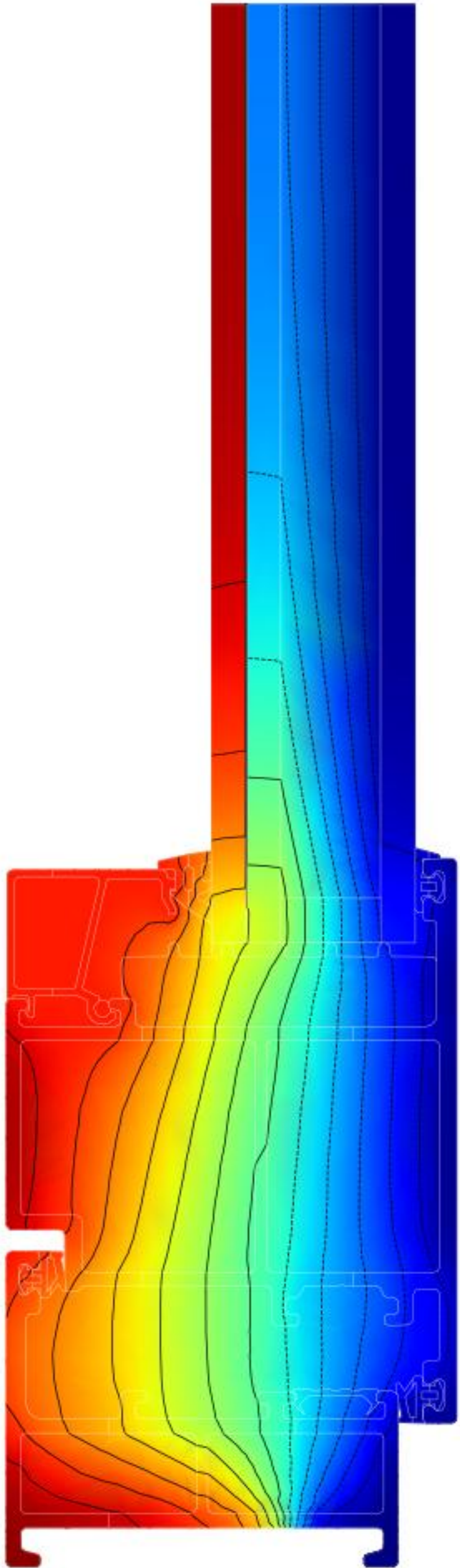
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass (GFRPU), k 0.114 W/m·K
- Aluminum glazing bead
- EPDM gaskets
- PU foam (standard insert)
- PU foam (chamber fill)

- PU foam (under bead)
- Glass, outer lite (low-E #2)
- Super Spacer Premium warm-edge spacer
- Argon 90%, 18 mm cavity
- Glass, vacuum unit outer lite

Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

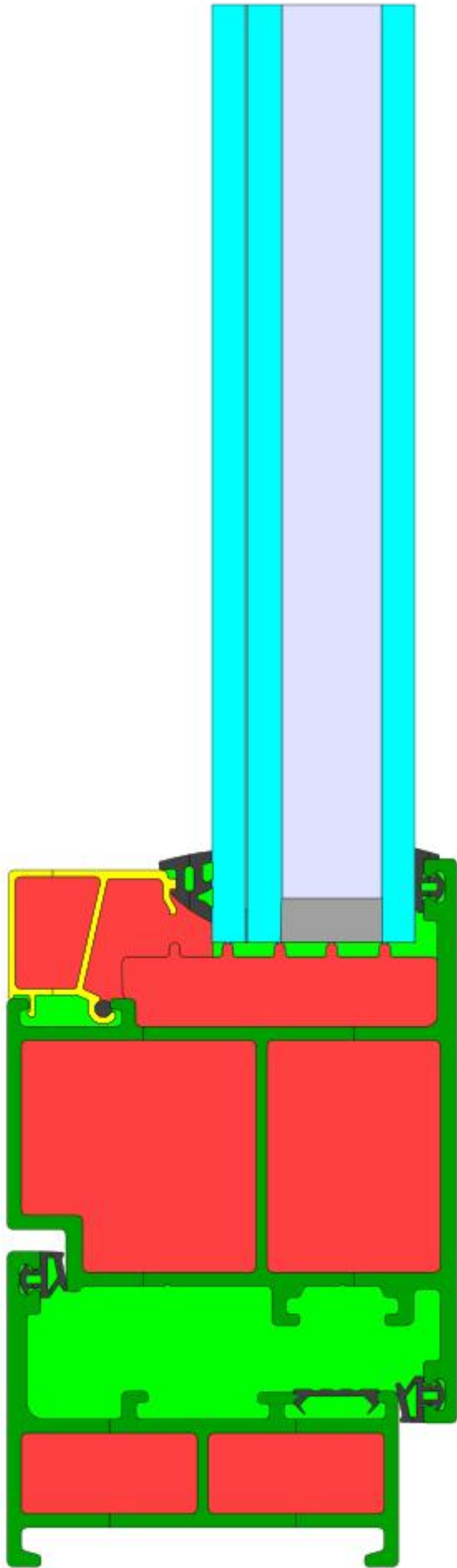
- Vacuum unit edge seal (welded titanium)
- Vacuum gap 0.3 mm (low-E #4 + #5)
- Glass, vacuum unit inner lite
- Air cavities (NFRC 100)

GR70 swing door · Jamb 2 | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 1.396 W/m²K over 127.1 mm | Edge U 0.699 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door at 960 x 2090 mm: KØLD 04 0.125 Btu/h·ft²·°F (R-8.0) · MILD 04 0.124 Btu/h·ft²·°F (R-8.1) · HEIT 04 0.123 Btu/h·ft²·°F (R-8.1)

Section and components



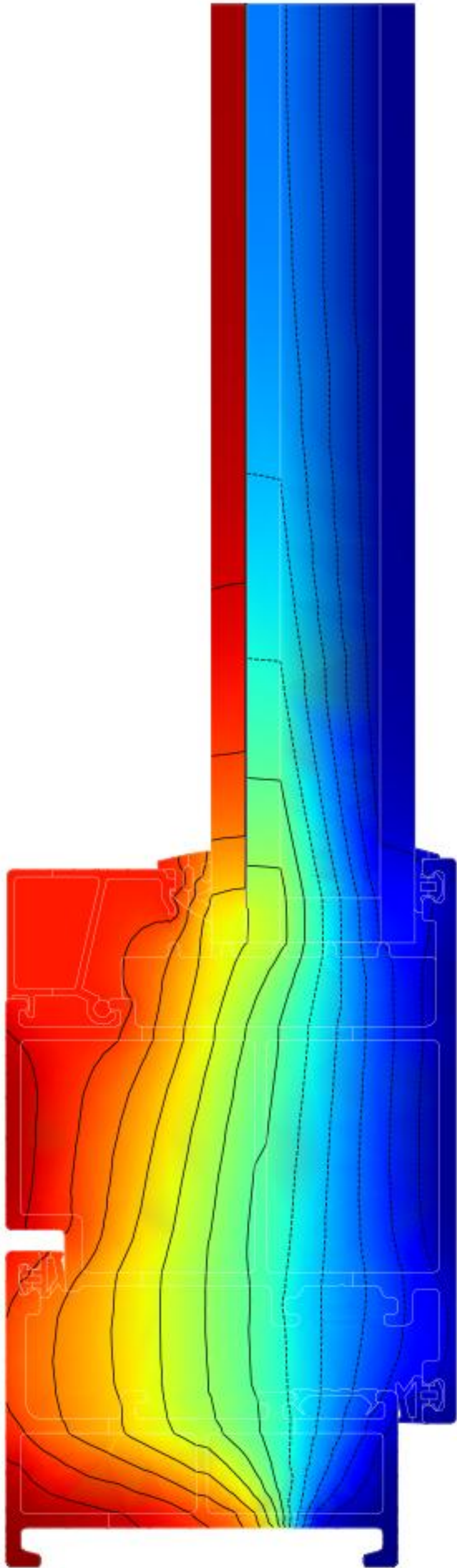
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass (GFRPU), k 0.114 W/m·K
- Aluminum glazing bead
- EPDM gaskets
- PU foam (standard insert)
- PU foam (chamber fill)

- PU foam (under bead)
- Glass, outer lite (low-E #2)
- Super Spacer Premium warm-edge spacer
- Argon 90%, 18 mm cavity
- Glass, vacuum unit outer lite

Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Vacuum unit edge seal (welded titanium)
- Vacuum gap 0.3 mm (low-E #4 + #5)
- Glass, vacuum unit inner lite
- Air cavities (NFRC 100)

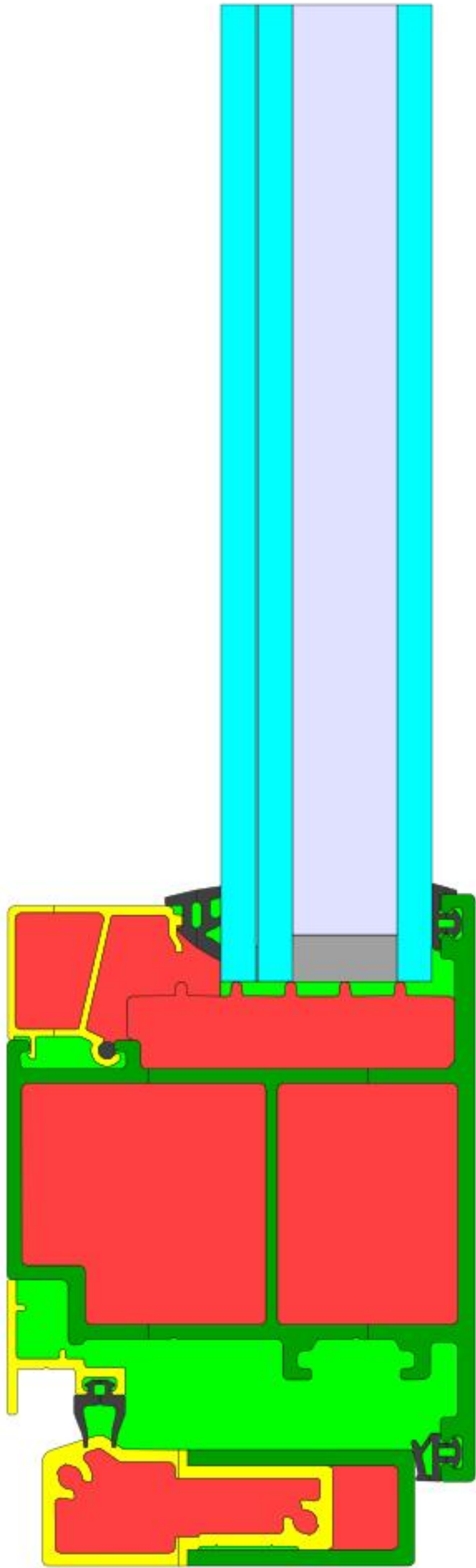
GR70 swing door · Sill | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 1.594 W/m²K over 115.9 mm | Edge U 0.697 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door at 960 x 2090 mm: KØLD 04 0.125 Btu/h·ft²·°F (R-8.0) · MILD 04 0.124 Btu/h·ft²·°F (R-8.1) · HEIT 04 0.123 Btu/h·ft²·°F (R-8.1)

Section and components

Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)

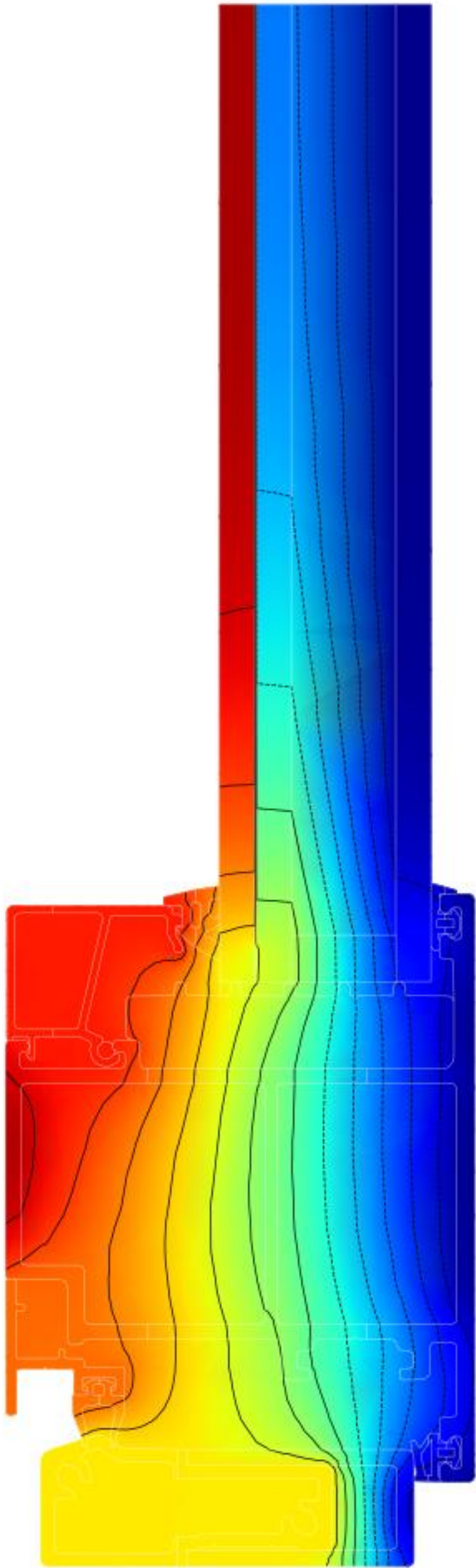


ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass (GFRPU), k 0.114 W/m·K
- Aluminum glazing bead
- EPDM gaskets
- PU foam (standard insert)
- PU foam (chamber fill)

- PU foam (under bead)
- Glass, outer lite (low-E #2)
- Super Spacer Premium warm-edge spacer
- Argon 90%, 18 mm cavity
- Glass, vacuum unit outer lite



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Vacuum unit edge seal (welded titanium)
- Vacuum gap 0.3 mm (low-E #4 + #5)
- Glass, vacuum unit inner lite
- Air cavities (NFRC 100)

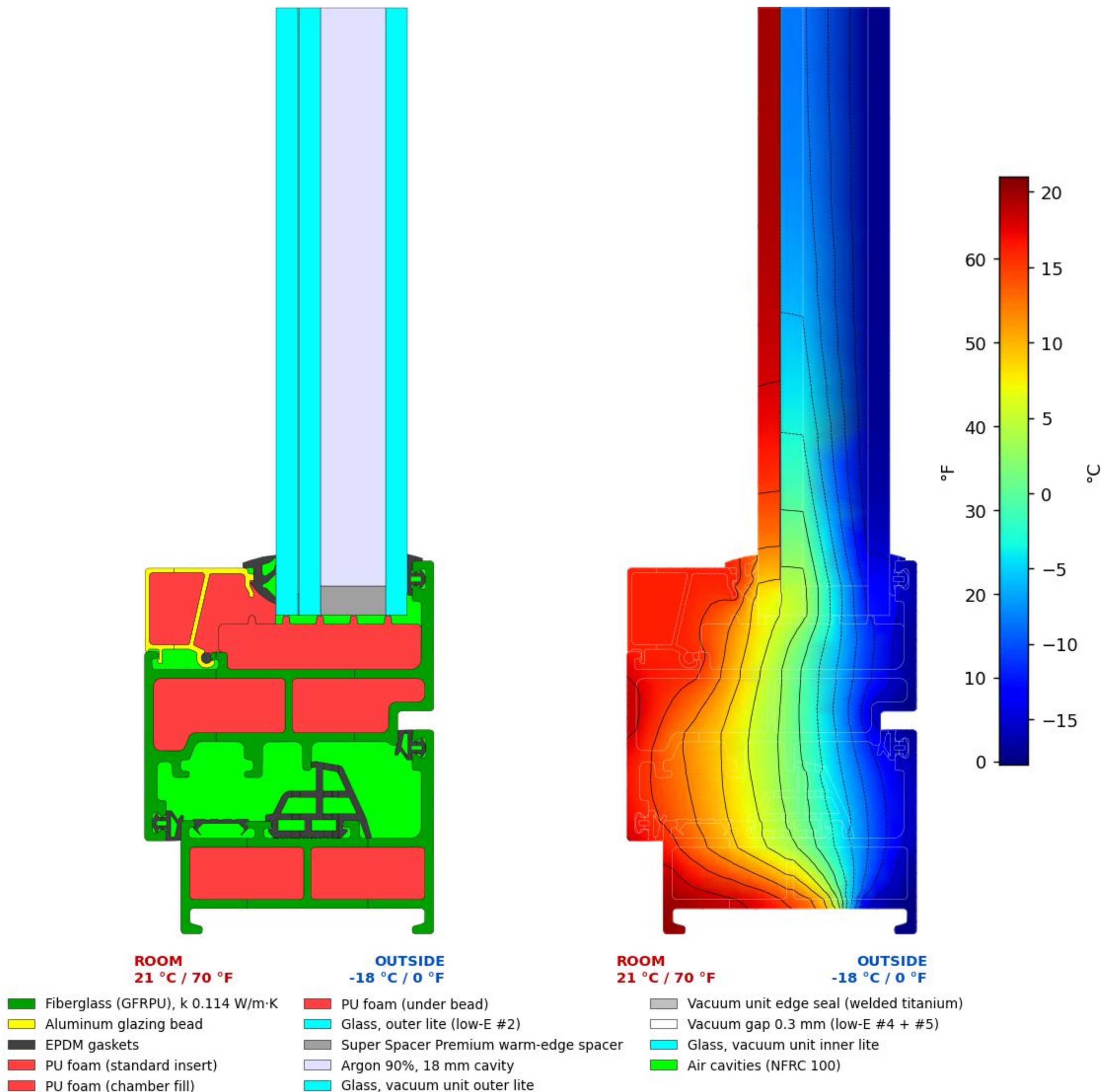
GR70 dual action · Sill | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 1.467 W/m²K over 103.7 mm | Edge U 0.698 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

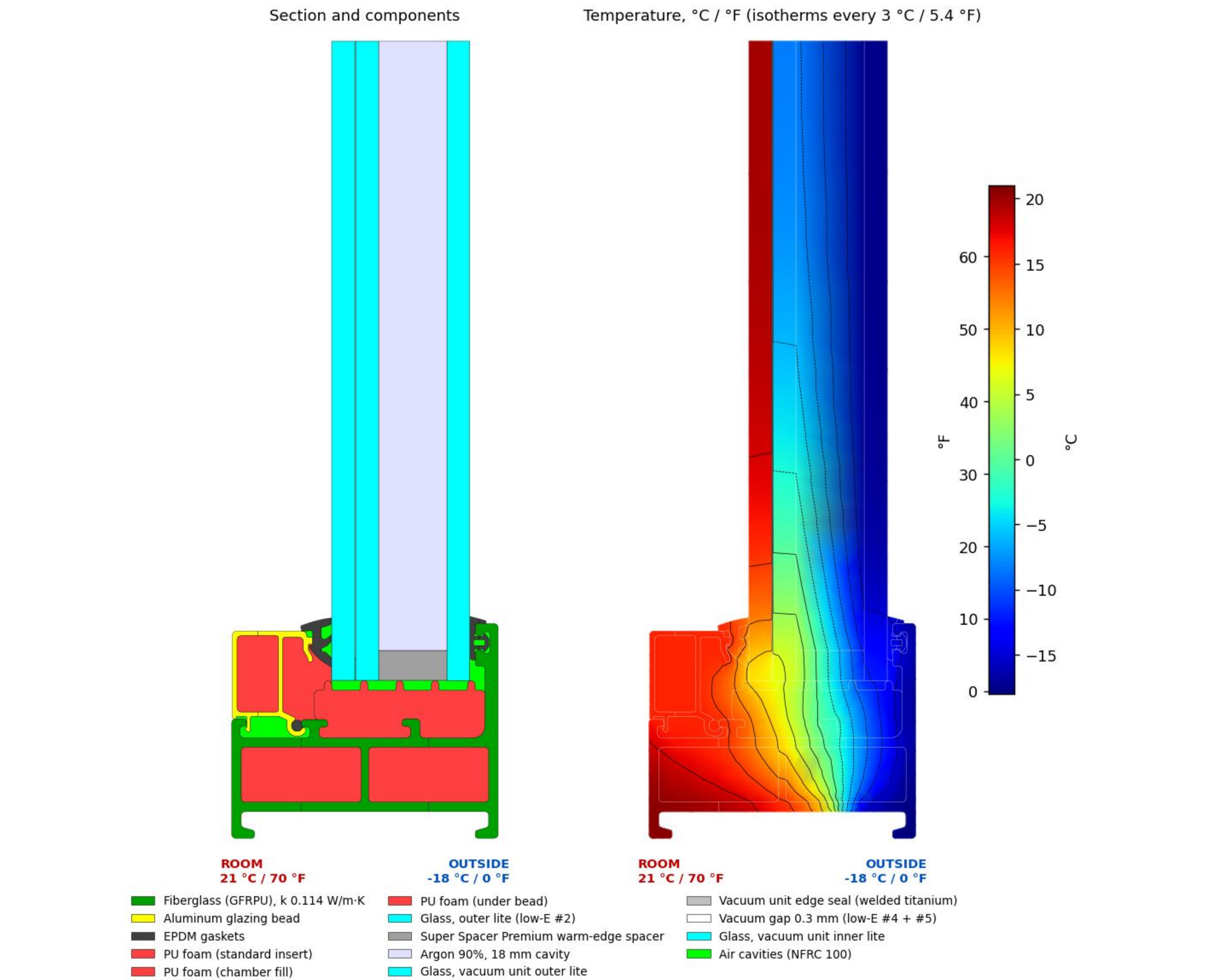
Whole window at 1200 x 1500 mm: KØLD 04 0.116 Btu/h·ft²·°F (R-8.6) · MILD 04 0.115 Btu/h·ft²·°F (R-8.7) · HEIT 04 0.114 Btu/h·ft²·°F (R-8.7)

Section and components

Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)

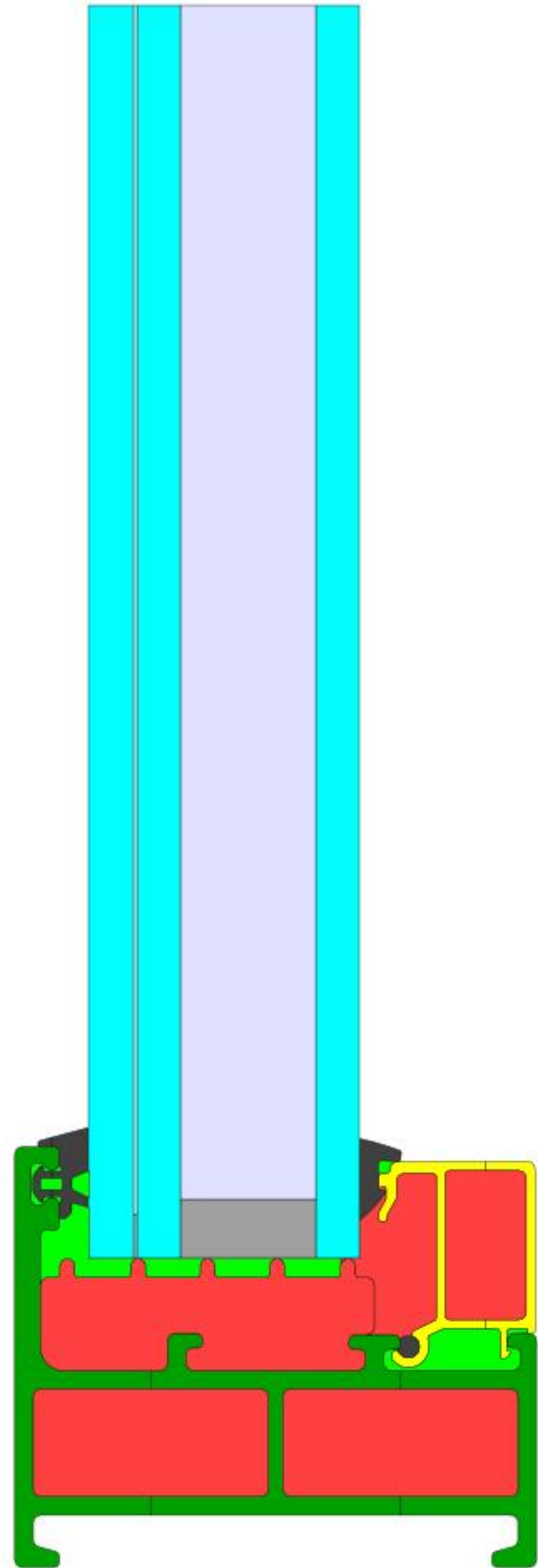


GR70 fixed · Sill | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon
Frame U 1.783 W/m²K over 56.9 mm | Edge U 0.654 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole window at 1200 x 1500 mm: KØLD 04 0.098 Btu/h·ft²·°F (R-10.2) · MILD 04 0.097 Btu/h·ft²·°F (R-10.4) · HEIT 04 0.096 Btu/h·ft²·°F (R-10.4)



GR70 fixed (flipped) · Sill | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon
Frame U 1.596 W/m²K over 58.0 mm | Edge U 0.763 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole window at 1200 x 1500 mm: KØLD 04 0.097 Btu/h·ft²·°F (R-10.3) · MILD 04 0.095 Btu/h·ft²·°F (R-10.5) · HEIT 04 0.095 Btu/h·ft²·°F (R-10.6)

Section and components



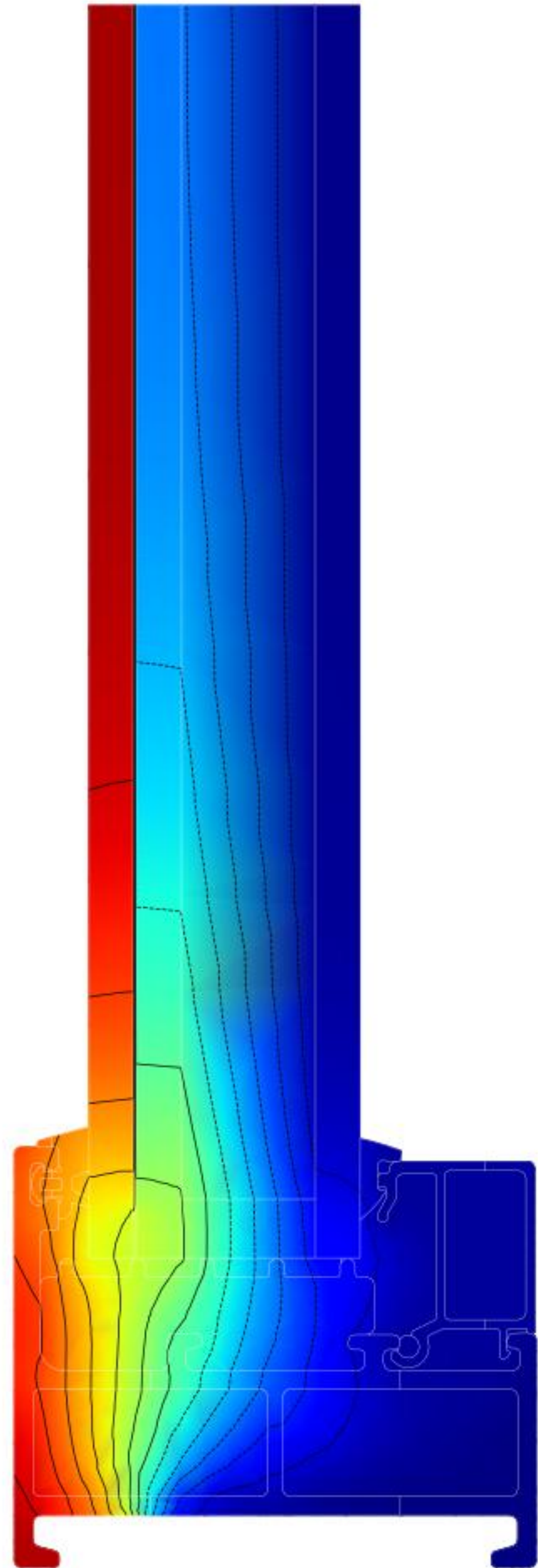
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass (GFRPU), k 0.114 W/m·K
- Aluminum glazing bead
- EPDM gaskets
- PU foam (standard insert)
- PU foam (chamber fill)

- PU foam (under bead)
- Glass, outer lite (low-E #2)
- Super Spacer Premium warm-edge spacer
- Argon 90%, 18 mm cavity
- Glass, vacuum unit outer lite

Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Vacuum unit edge seal (welded titanium)
- Vacuum gap 0.3 mm (low-E #4 + #5)
- Glass, vacuum unit inner lite
- Air cavities (NFRC 100)

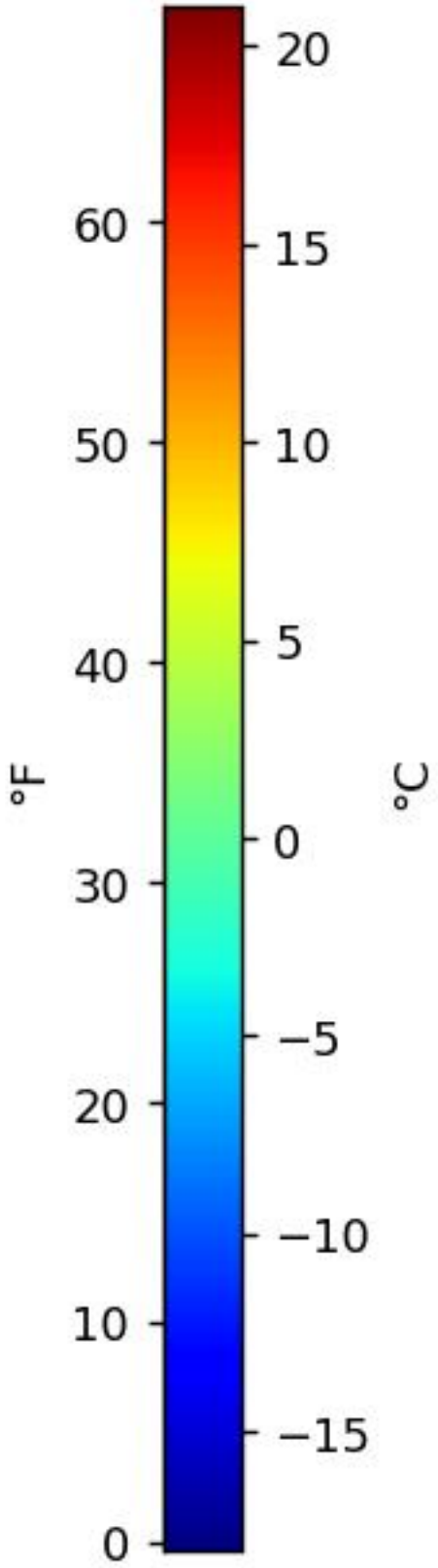
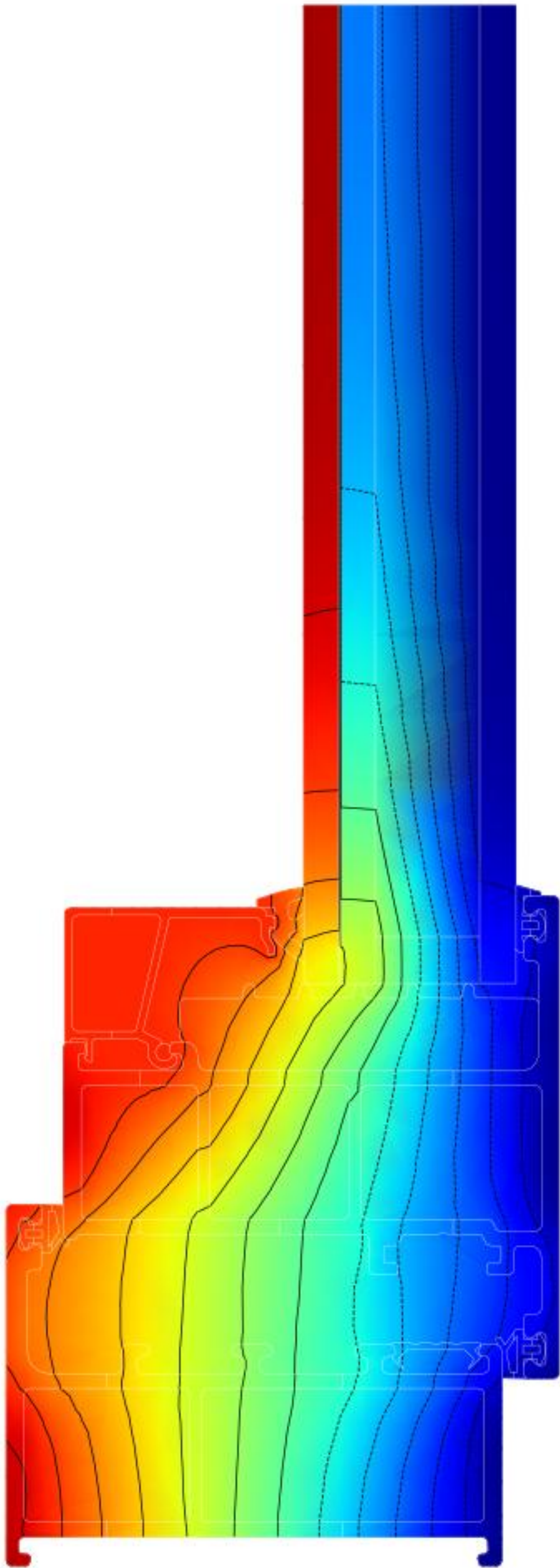
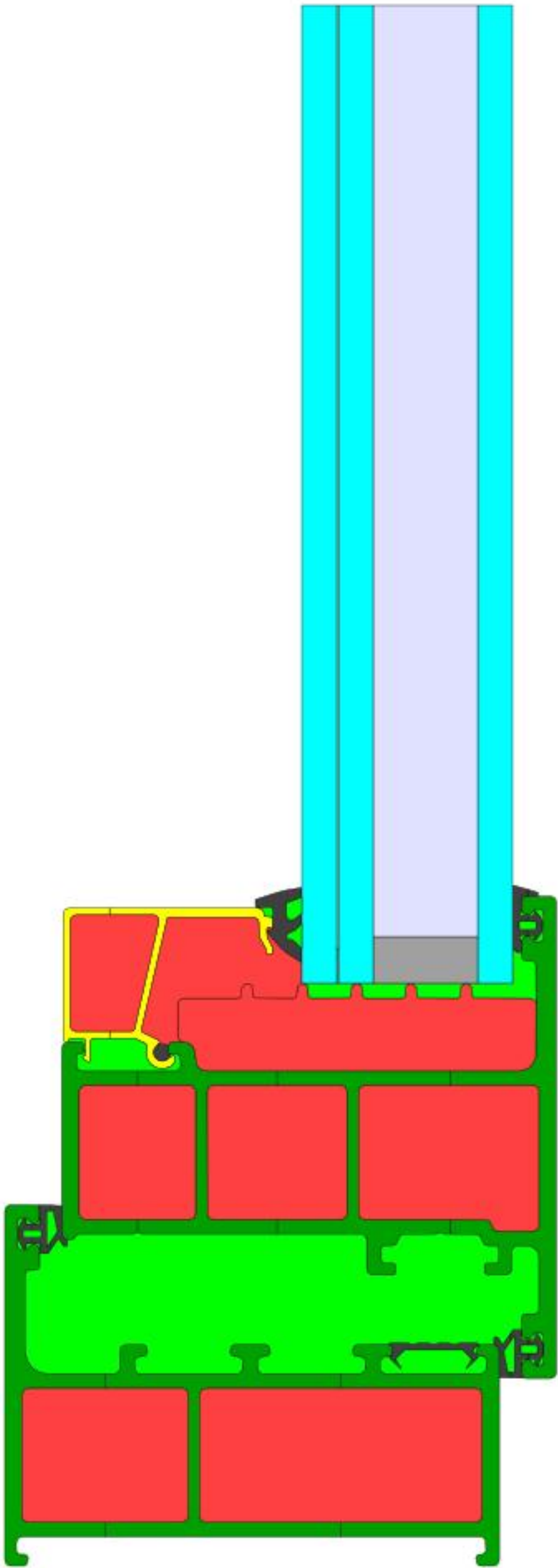
GR85 casement · Sill | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 1.181 W/m²K over 115.5 mm | Edge U 0.670 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole window at 600 x 1500 mm: KØLD 04 0.138 Btu/h·ft²·°F (R-7.3) · MILD 04 0.137 Btu/h·ft²·°F (R-7.3) · HEIT 04 0.137 Btu/h·ft²·°F (R-7.3)

Section and components

Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass (GFRPU), k 0.114 W/m·K
- Aluminum glazing bead
- EPDM gaskets
- PU foam (standard insert)
- PU foam (chamber fill)

- PU foam (under bead)
- Glass, outer lite (low-E #2)
- Super Spacer Premium warm-edge spacer
- Argon 90%, 18 mm cavity
- Glass, vacuum unit outer lite

- Vacuum unit edge seal (welded titanium)
- Vacuum gap 0.3 mm (low-E #4 + #5)
- Glass, vacuum unit inner lite
- Air cavities (NFRC 100)

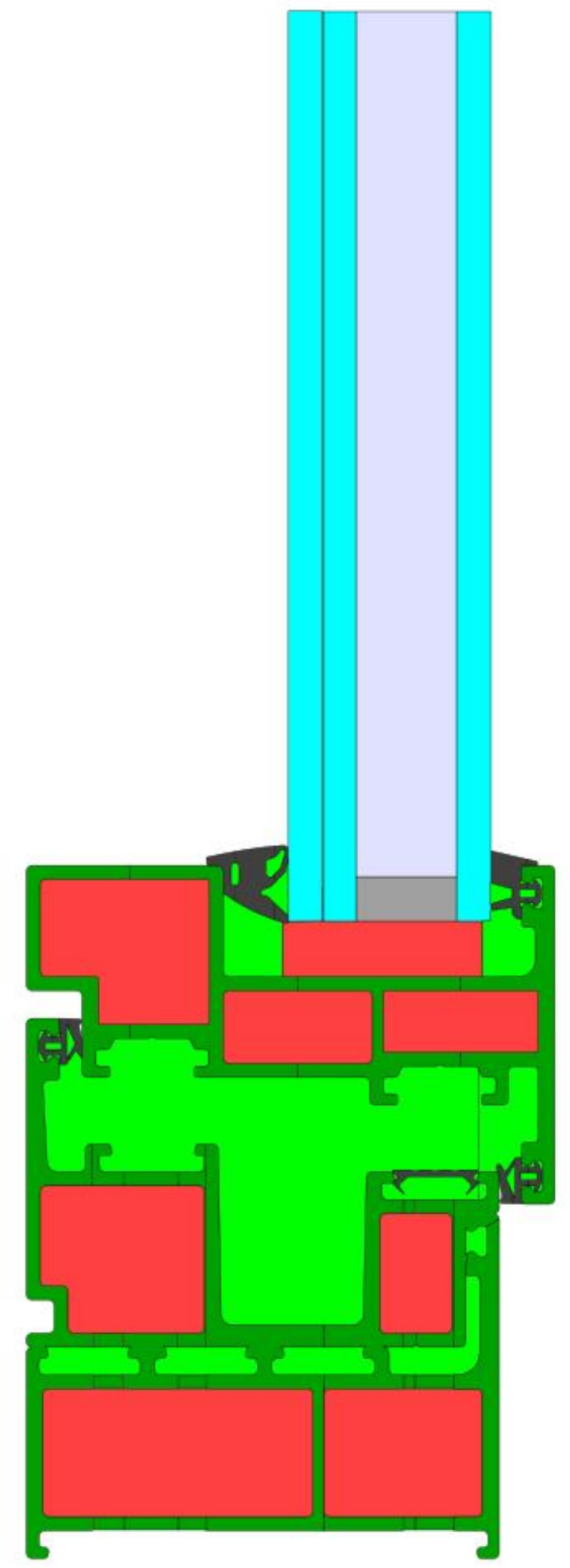
GR85 casement with screen · Sill | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 0.955 W/m²K over 127.2 mm | Edge U 0.869 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole window at 600 x 1500 mm: KØLD 04 0.131 Btu/h·ft²·°F (R-7.7) · MILD 04 0.130 Btu/h·ft²·°F (R-7.7) · HEIT 04 0.130 Btu/h·ft²·°F (R-7.7)

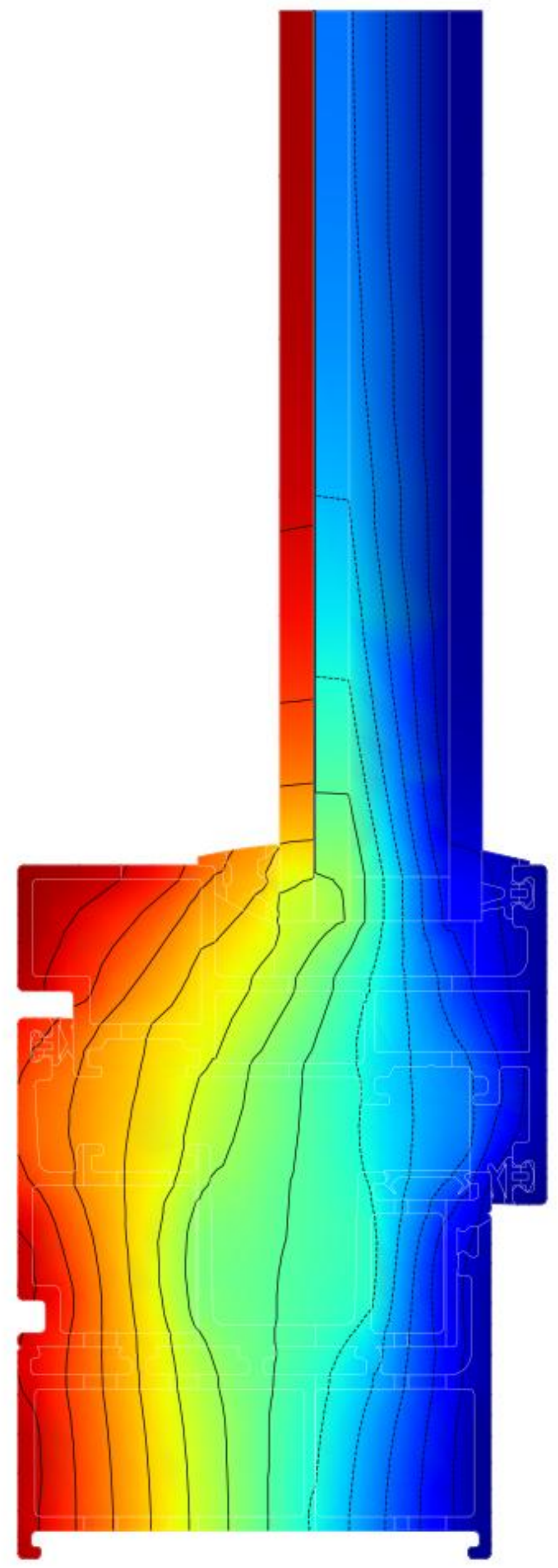
Section and components

Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



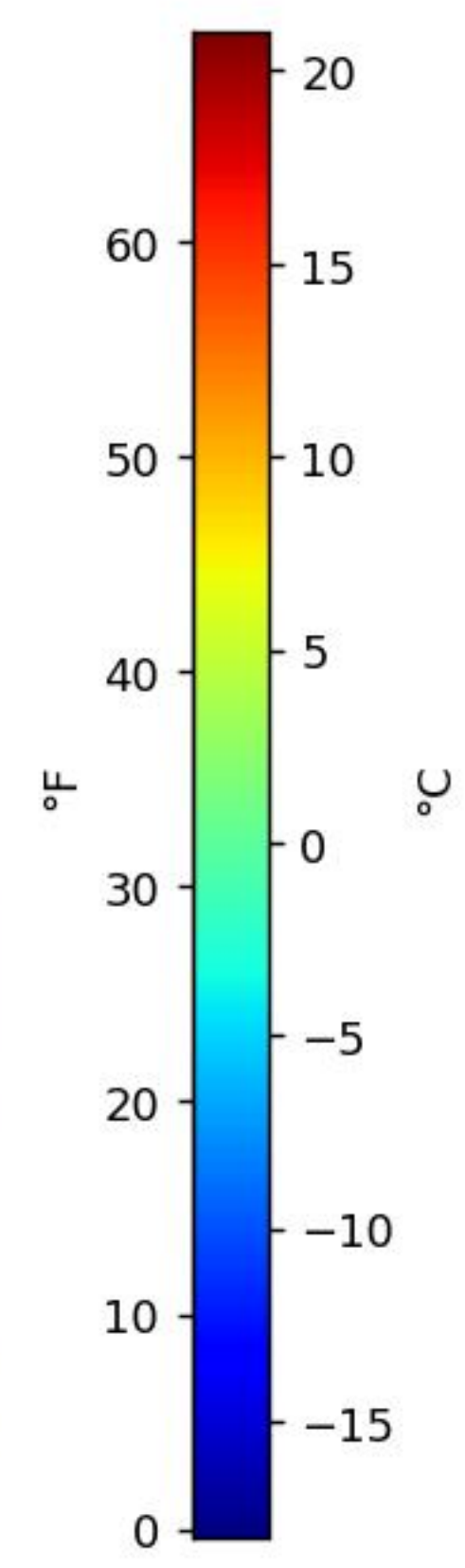
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F



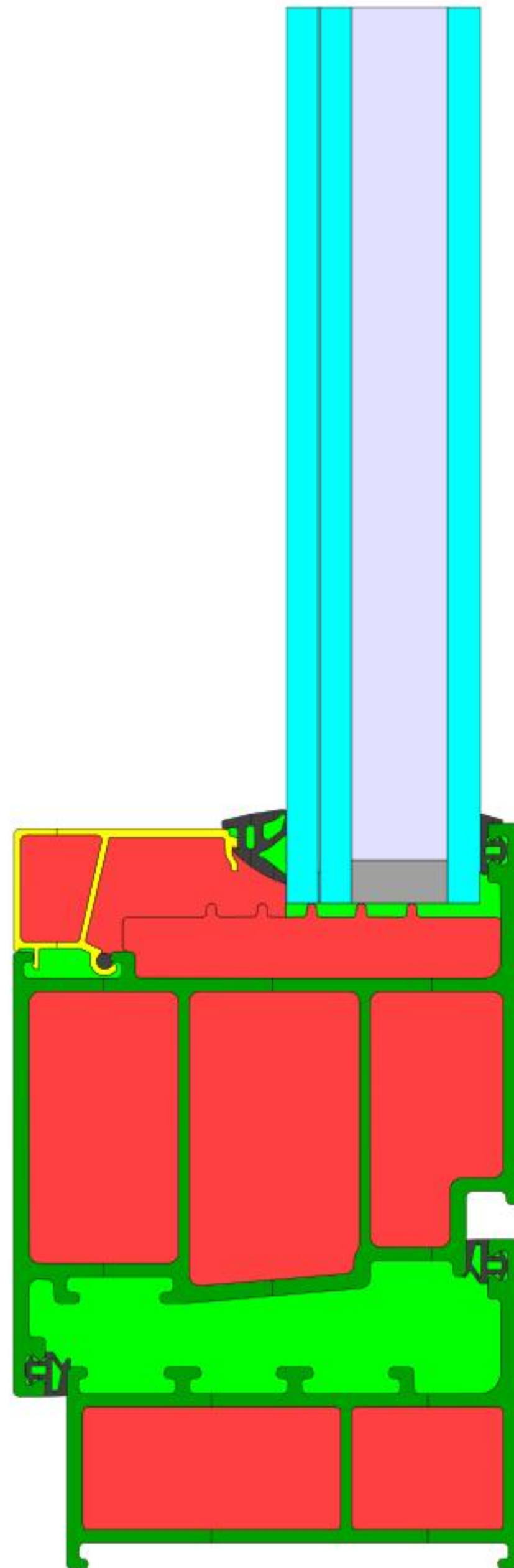
- | | | |
|-----------------------------------|---------------------------------------|---|
| Fiberglass (GFRPU), k 0.114 W/m·K | Glass, outer lite (low-E #2) | Vacuum unit edge seal (welded titanium) |
| EPDM gaskets | Super Spacer Premium warm-edge spacer | Vacuum gap 0.3 mm (low-E #4 + #5) |
| PU foam (standard insert) | Argon 90%, 18 mm cavity | Glass, vacuum unit inner lite |
| PU foam (chamber fill) | Glass, vacuum unit outer lite | Air cavities (NFRC 100) |

GR85 swing door · Head | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 0.918 W/m²K over 141.6 mm | Edge U 0.735 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door at 960 x 2090 mm: KØLD 04 0.103 Btu/h·ft²·°F (R-9.7) · MILD 04 0.102 Btu/h·ft²·°F (R-9.8) · HEIT 04 0.101 Btu/h·ft²·°F (R-9.9)

Section and components



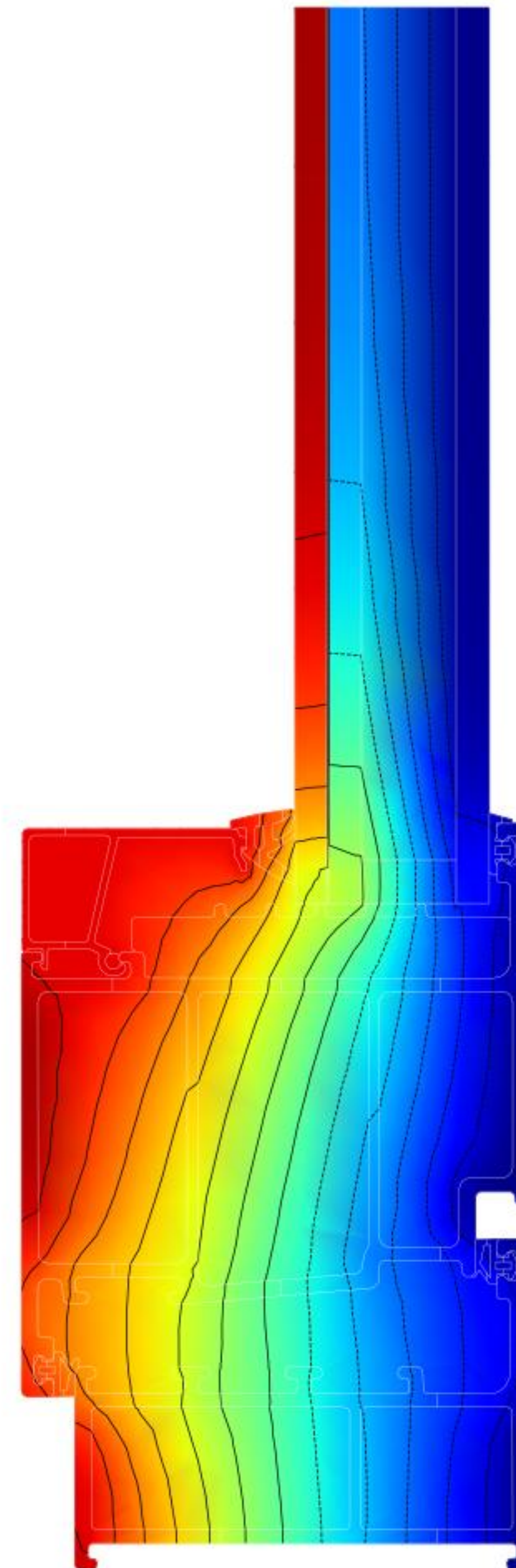
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass (GFRPU), k 0.114 W/m·K
- Aluminum glazing bead
- EPDM gaskets
- PU foam (standard insert)
- PU foam (chamber fill)

- PU foam (under bead)
- Glass, outer lite (low-E #2)
- Super Spacer Premium warm-edge spacer
- Argon 90%, 18 mm cavity
- Glass, vacuum unit outer lite

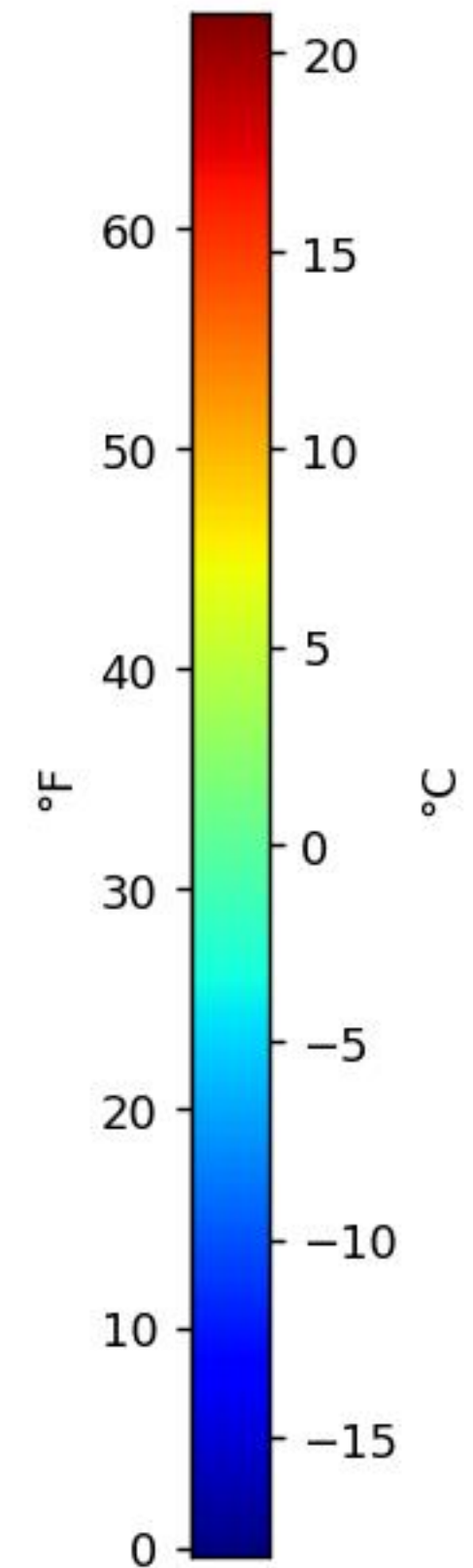
Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Vacuum unit edge seal (welded titanium)
- Vacuum gap 0.3 mm (low-E #4 + #5)
- Glass, vacuum unit inner lite
- Air cavities (NFRC 100)



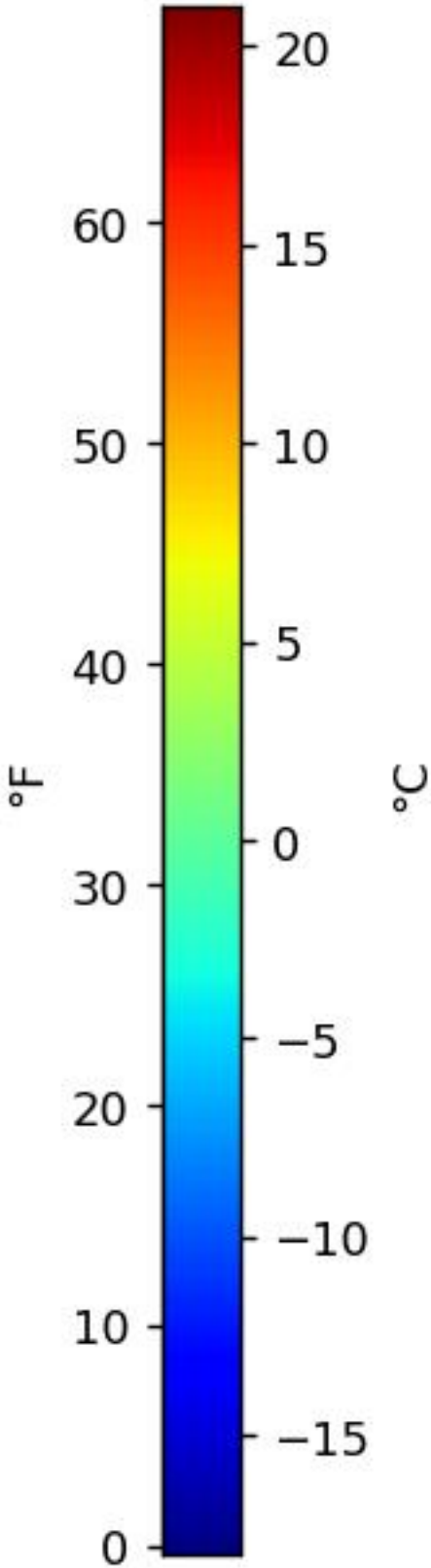
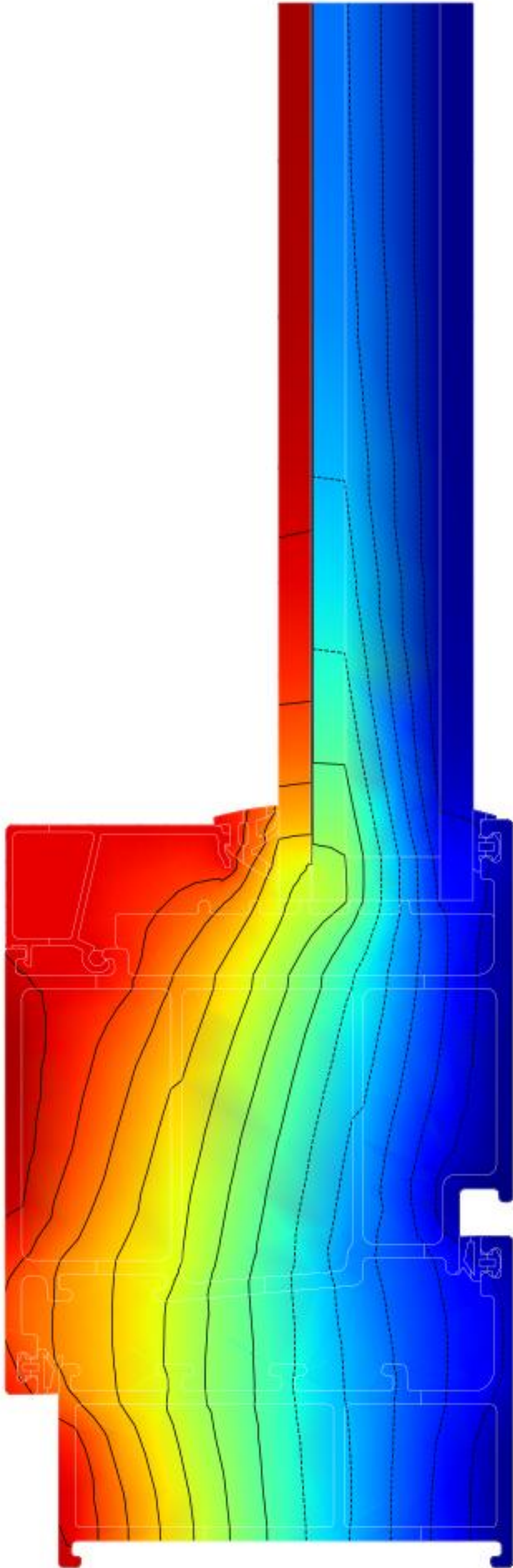
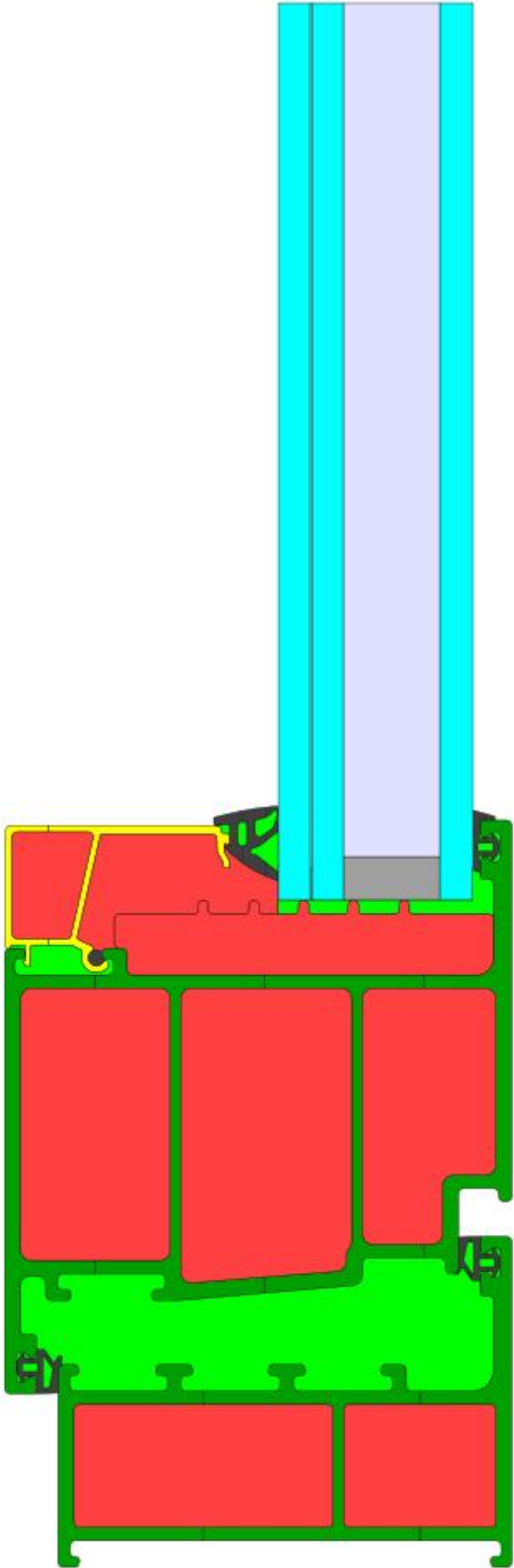
GR85 swing door · Jamb 1 | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 0.912 W/m²K over 141.6 mm | Edge U 0.735 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door at 960 x 2090 mm: KØLD 04 0.103 Btu/h·ft²·°F (R-9.7) · MILD 04 0.102 Btu/h·ft²·°F (R-9.8) · HEIT 04 0.101 Btu/h·ft²·°F (R-9.9)

Section and components

Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass (GFRPU), k 0.114 W/m·K
- Aluminum glazing bead
- EPDM gaskets
- PU foam (standard insert)
- PU foam (chamber fill)

- PU foam (under bead)
- Glass, outer lite (low-E #2)
- Super Spacer Premium warm-edge spacer
- Argon 90%, 18 mm cavity
- Glass, vacuum unit outer lite

- Vacuum unit edge seal (welded titanium)
- Vacuum gap 0.3 mm (low-E #4 + #5)
- Glass, vacuum unit inner lite
- Air cavities (NFRC 100)

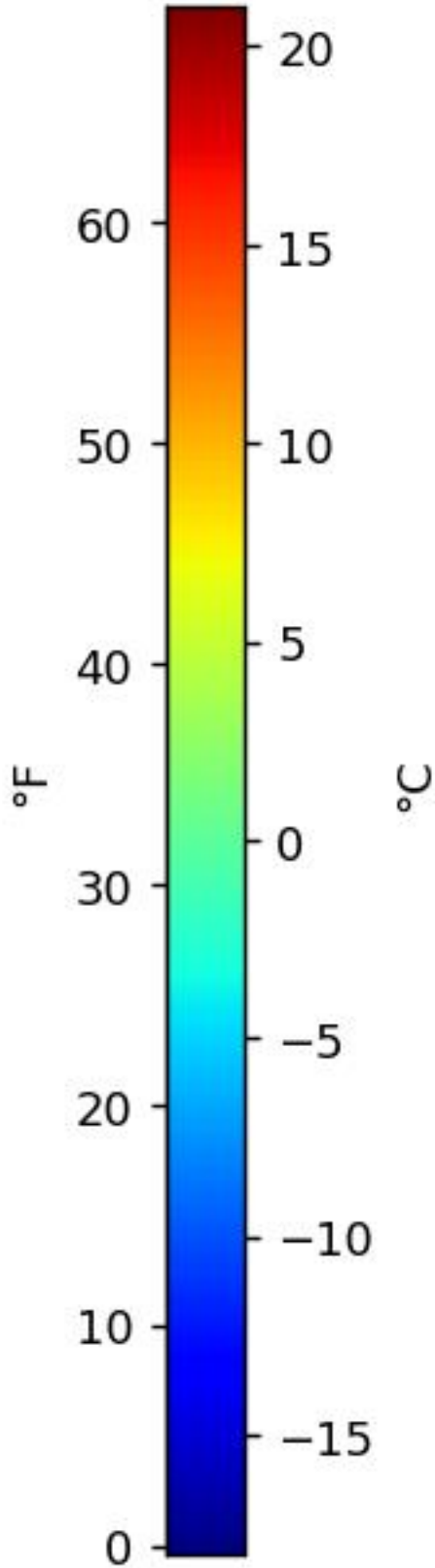
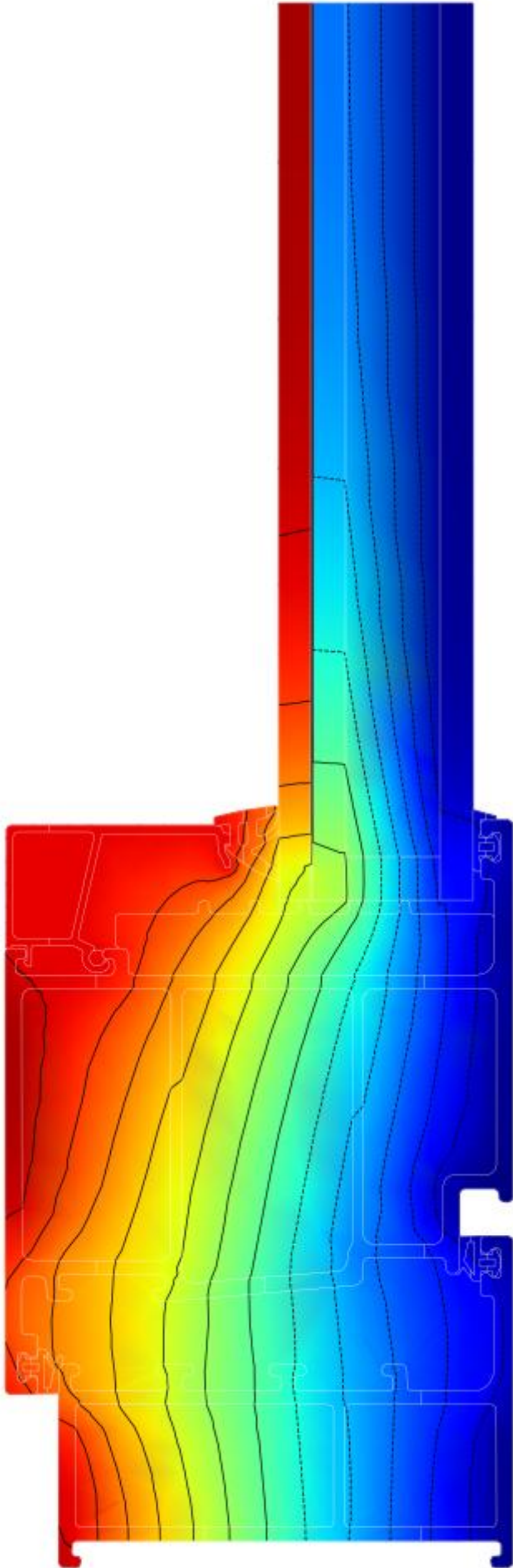
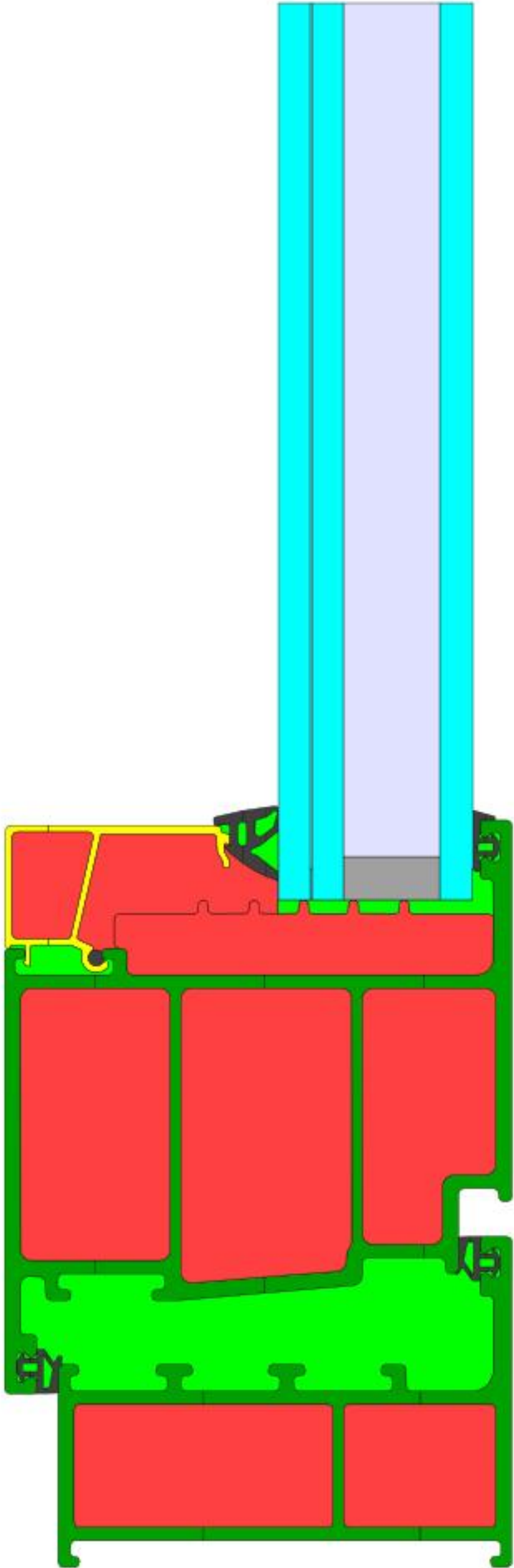
GR85 swing door · Jamb 2 | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 0.914 W/m²K over 141.6 mm | Edge U 0.735 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door at 960 x 2090 mm: KØLD 04 0.103 Btu/h·ft²·°F (R-9.7) · MILD 04 0.102 Btu/h·ft²·°F (R-9.8) · HEIT 04 0.101 Btu/h·ft²·°F (R-9.9)

Section and components

Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass (GFRPU), k 0.114 W/m·K
- Aluminum glazing bead
- EPDM gaskets
- PU foam (standard insert)
- PU foam (chamber fill)

- PU foam (under bead)
- Glass, outer lite (low-E #2)
- Super Spacer Premium warm-edge spacer
- Argon 90%, 18 mm cavity
- Glass, vacuum unit outer lite

- Vacuum unit edge seal (welded titanium)
- Vacuum gap 0.3 mm (low-E #4 + #5)
- Glass, vacuum unit inner lite
- Air cavities (NFRC 100)

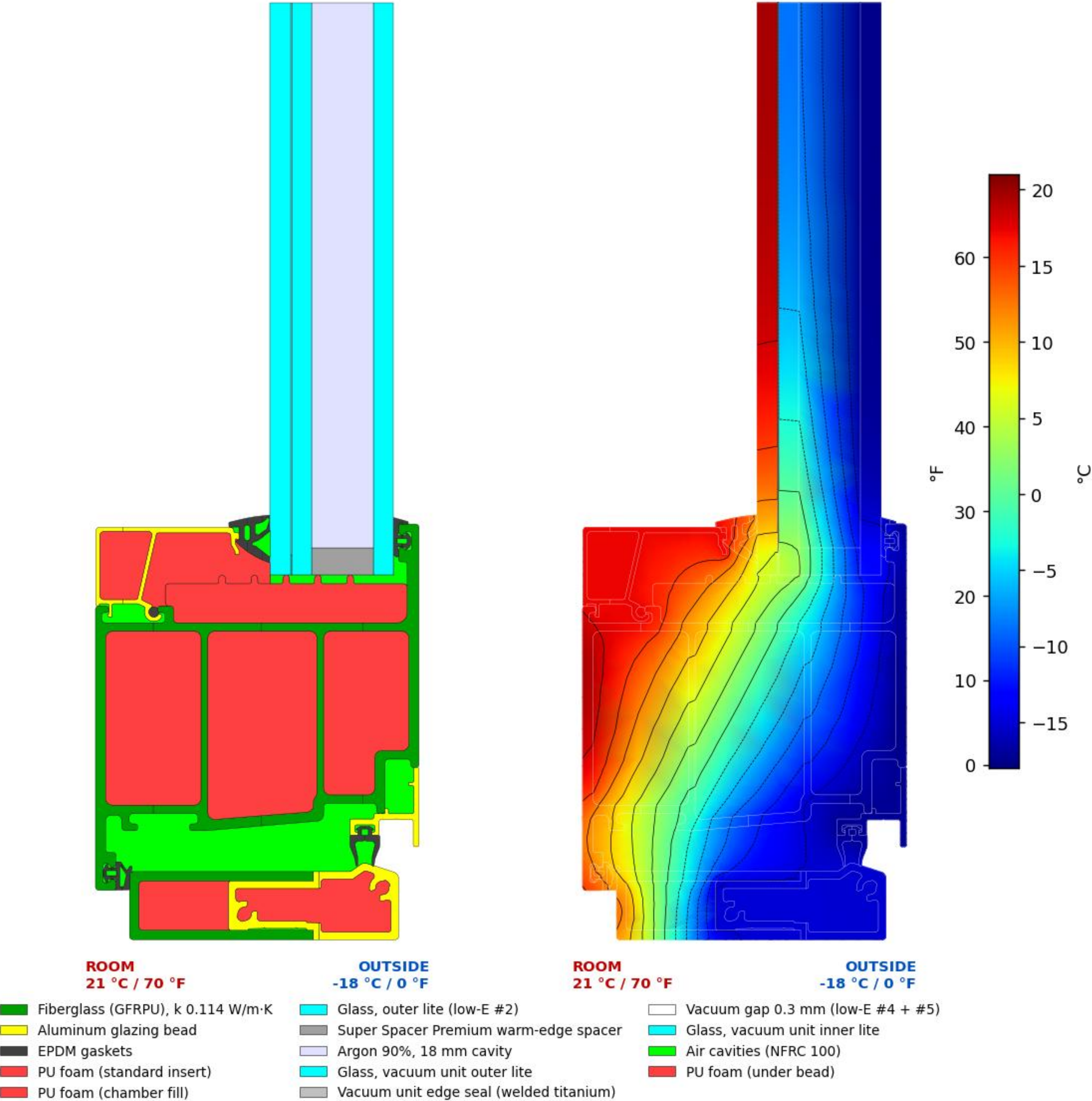
GR85 swing door · Sill | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon

Frame U 1.170 W/m²K over 123.6 mm | Edge U 0.737 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door at 960 x 2090 mm: KØLD 04 0.103 Btu/h·ft²·°F (R-9.7) · MILD 04 0.102 Btu/h·ft²·°F (R-9.8) · HEIT 04 0.101 Btu/h·ft²·°F (R-9.9)

Section and components

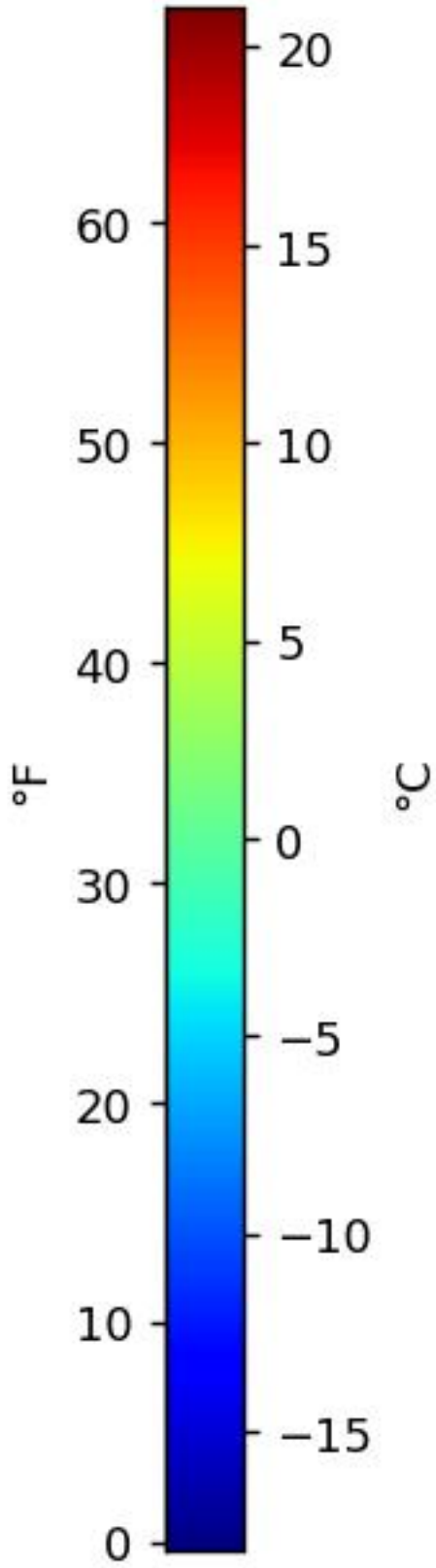
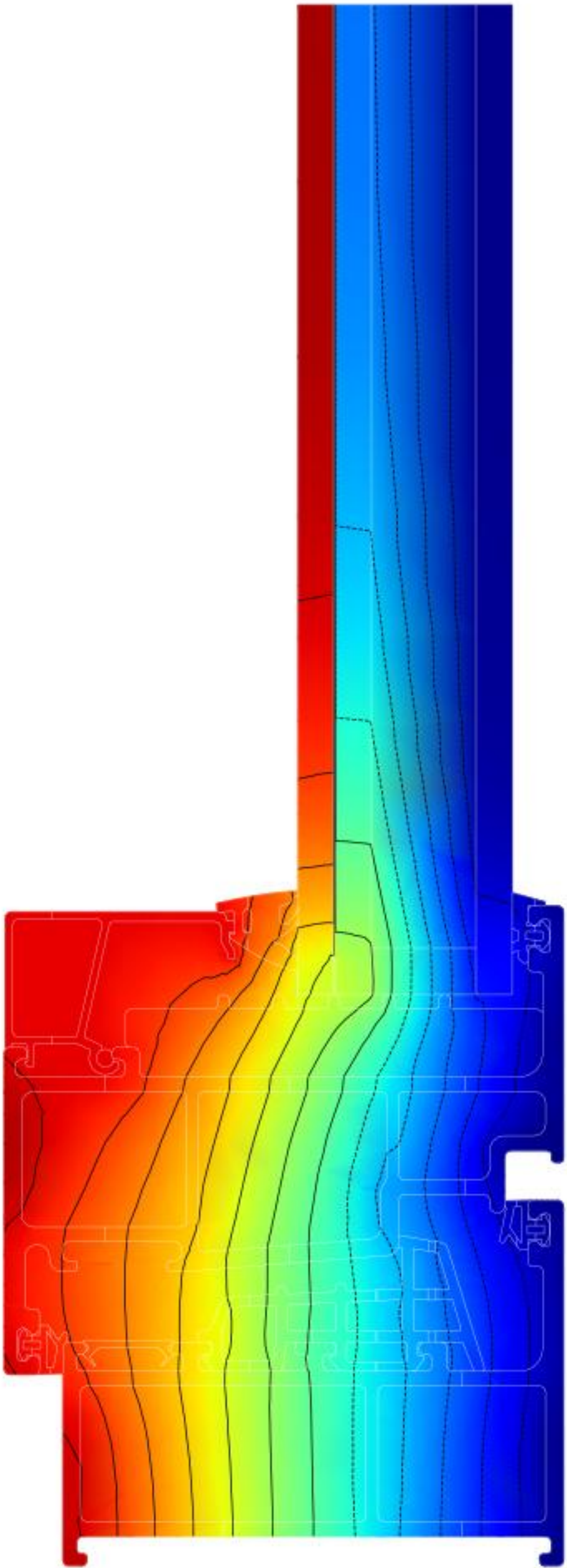
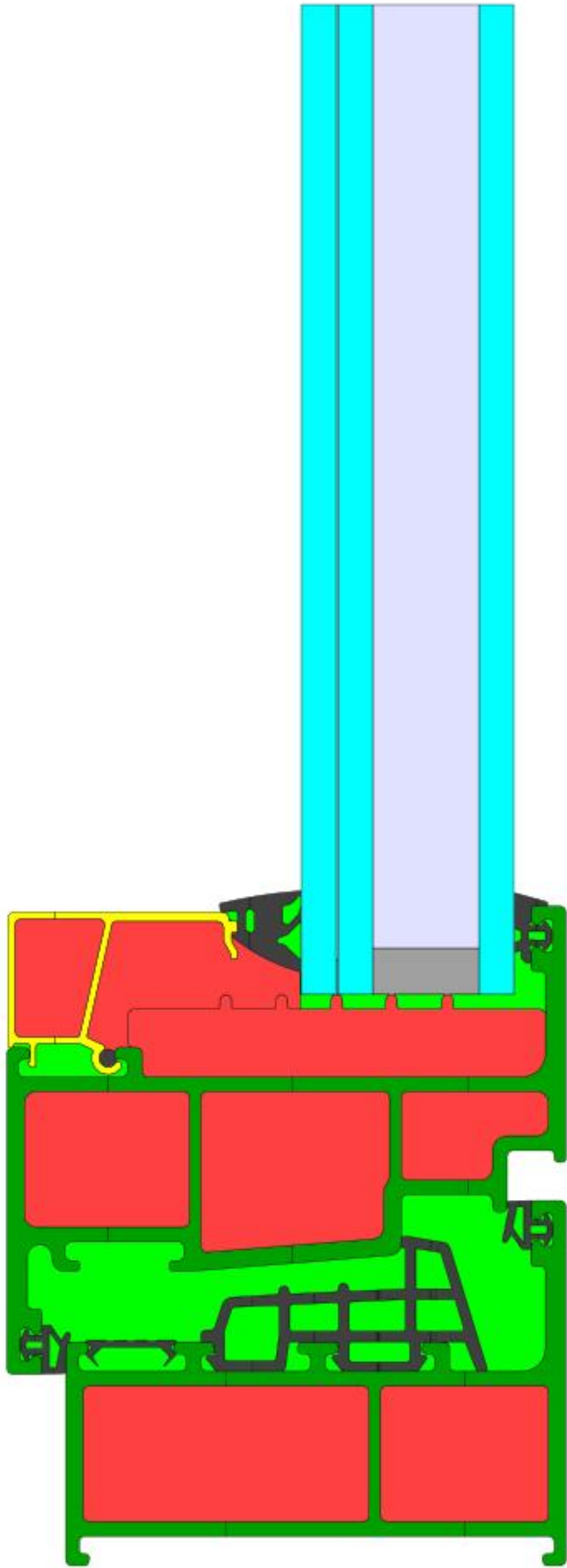
Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



GR85 dual action · Sill | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon
Frame U 0.864 W/m²K over 113.6 mm | Edge U 0.729 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole window at 1200 x 1500 mm: KØLD 04 0.089 Btu/h·ft²·°F (R-11.2) · MILD 04 0.088 Btu/h·ft²·°F (R-11.4) · HEIT 04 0.087 Btu/h·ft²·°F (R-11.5)

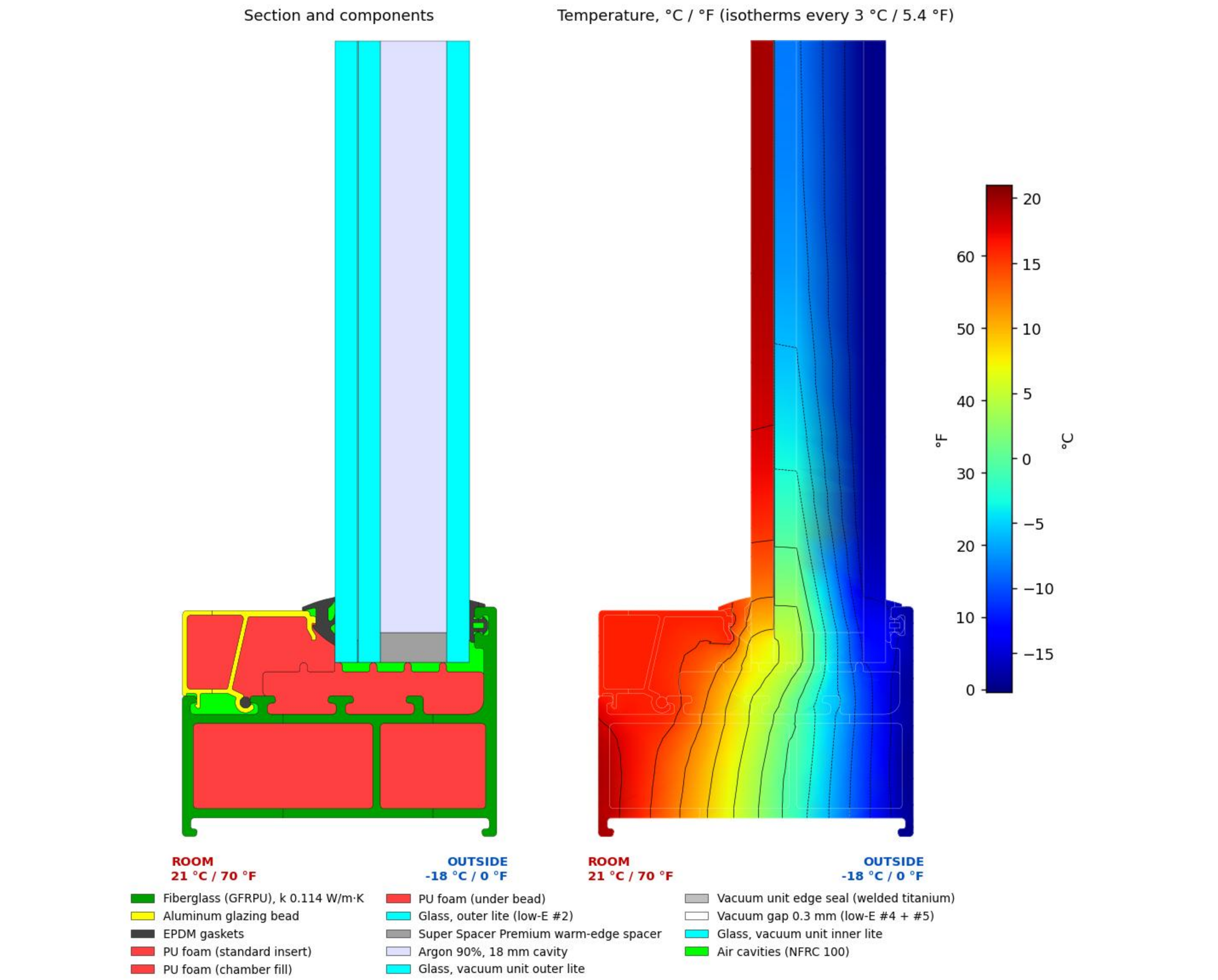
Section and components

Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



- | | | | |
|-----------------------------------|---------------------------------------|---|---------------------------------|
| ROOM
21 °C / 70 °F | OUTSIDE
-18 °C / 0 °F | ROOM
21 °C / 70 °F | OUTSIDE
-18 °C / 0 °F |
| Fiberglass (GFRPU), k 0.114 W/m·K | PU foam (under bead) | Vacuum unit edge seal (welded titanium) | |
| Aluminum glazing bead | Glass, outer lite (low-E #2) | Vacuum gap 0.3 mm (low-E #4 + #5) | |
| EPDM gaskets | Super Spacer Premium warm-edge spacer | Glass, vacuum unit inner lite | |
| PU foam (standard insert) | Argon 90%, 18 mm cavity | Air cavities (NFRC 100) | |
| PU foam (chamber fill) | Glass, vacuum unit outer lite | | |

GR85 fixed · Sill | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon
Frame U 1.081 W/m²K over 63.6 mm | Edge U 0.650 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole window at 1200 x 1500 mm: KØLD 04 0.081 Btu/h·ft²·°F (R-12.4) · MILD 04 0.079 Btu/h·ft²·°F (R-12.7) · HEIT 04 0.078 Btu/h·ft²·°F (R-12.8)



GR85 fixed (flipped) · Sill | ZERO 04 hybrid vacuum glazing, Super Spacer Premium + argon
Frame U 0.977 W/m²K over 63.6 mm | Edge U 0.738 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole window at 1200 x 1500 mm: KØLD 04 0.080 Btu/h·ft²·°F (R-12.5) · MILD 04 0.078 Btu/h·ft²·°F (R-12.8) · HEIT 04 0.078 Btu/h·ft²·°F (R-12.9)

