

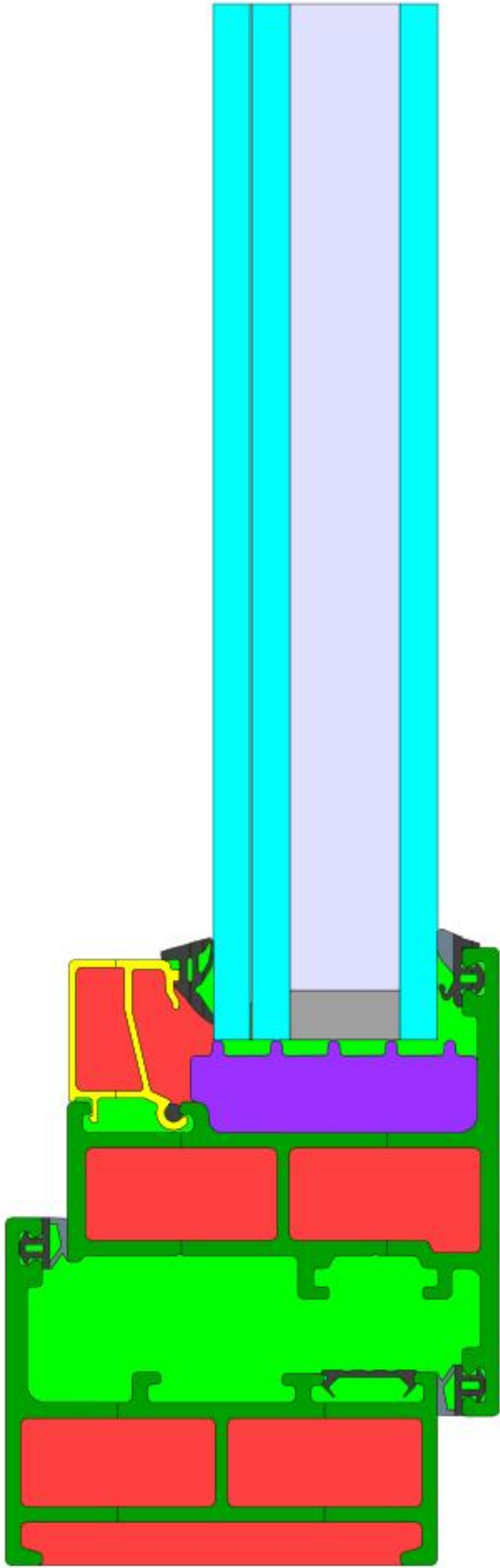
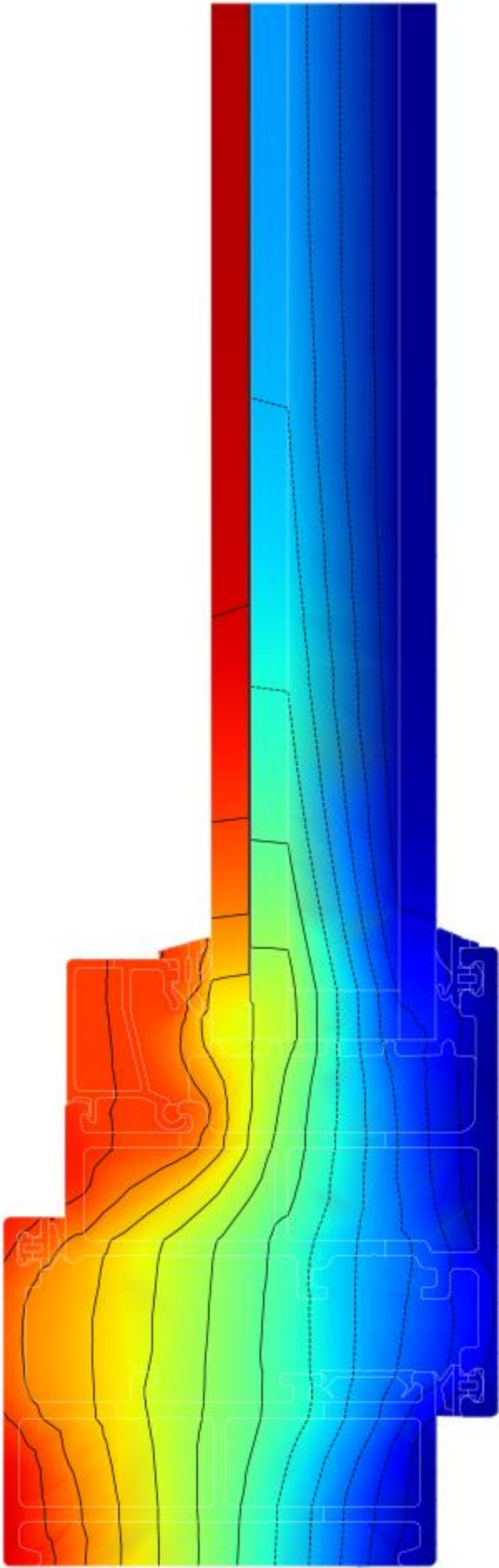
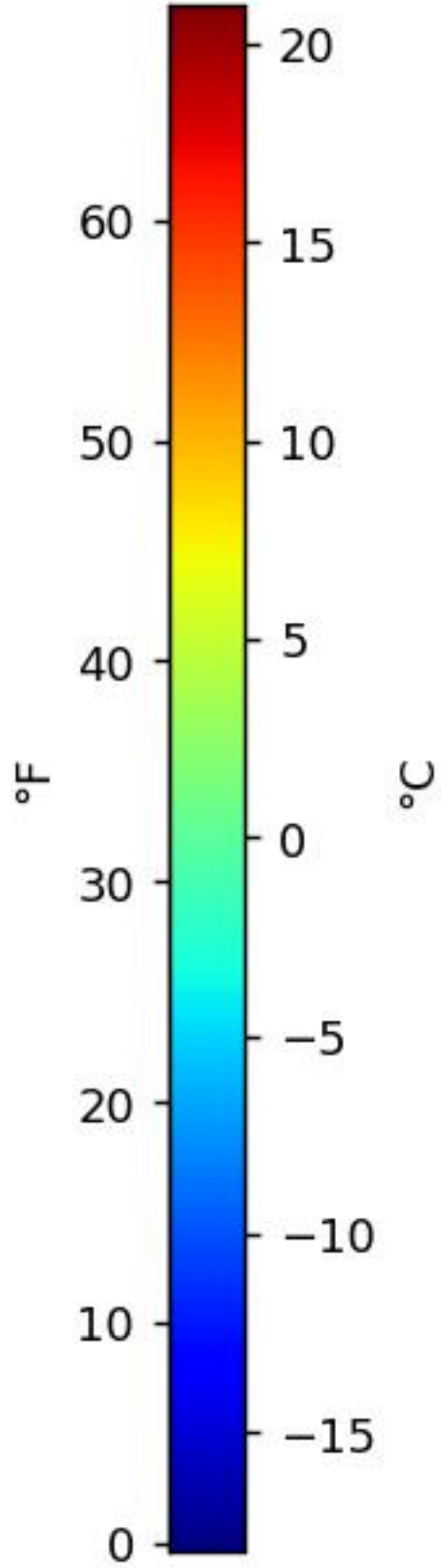
GR70 casement · Sill | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 1.301 W/m²K over 100.7 mm | Edge U 0.769 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole window at 600 x 1500 mm: KØLD 05 0.147 Btu/h·ft²·°F (R-6.8) · MILD 05 0.146 Btu/h·ft²·°F (R-6.8) · HEIT 05 0.146 Btu/h·ft²·°F (R-6.8)

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

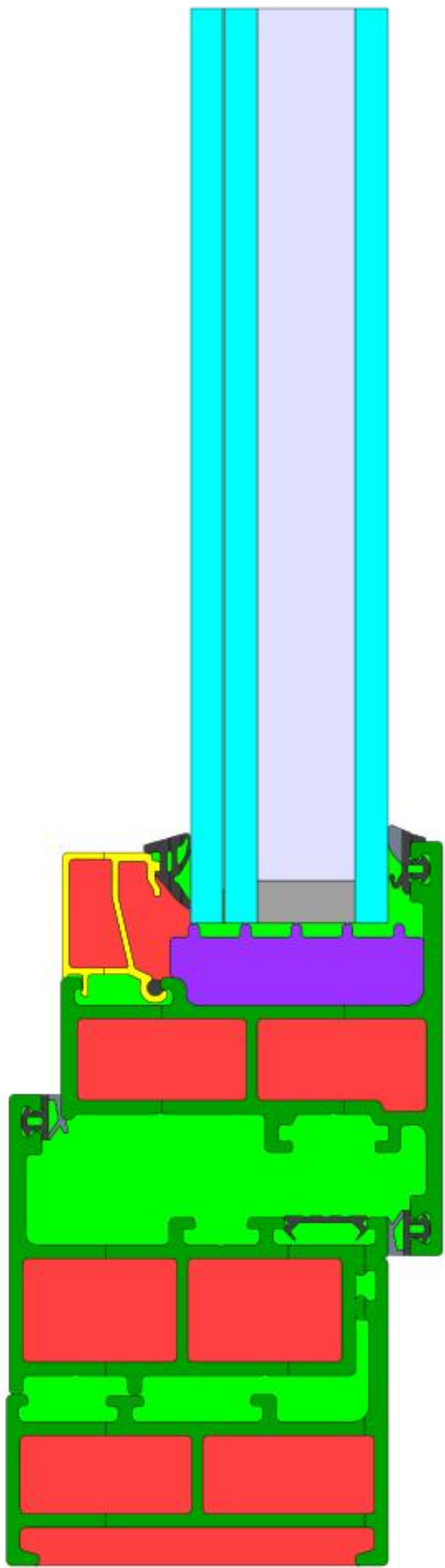
- | | |
|--|---|
| Fiberglass frame (GFRPU), k 0.114 W/m·K | Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K |
| EPDM gaskets, k 0.25 W/m·K | Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K |
| EPDM foam (gasket), k 0.039 W/m·K | Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K |
| PU foam glazing pad, k 0.024 W/m·K | Vacuum unit edge seal (proprietary metallic), k 58 W/m·K |
| PU foam (chamber fill), k 0.024 W/m·K | Vacuum gap 0.3 mm, effective k 0.000128 W/m·K |
| Air cavities (NFRC 100 cavity model) | Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K |
| PU foam (standard insert), k 0.024 W/m·K | Aluminum glazing bead, k 160 W/m·K |
| Glass, outer lite (low-E #2), k 1 W/m·K | PU foam (under glazing bead), k 0.024 W/m·K |

GR70 casement, tall frame · Sill | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 1.214 W/m²K over 133.4 mm | Edge U 0.771 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole window at 600 x 1500 mm: KØLD 05 0.157 Btu/h·ft²·°F (R-6.3) · MILD 05 0.157 Btu/h·ft²·°F (R-6.4) · HEIT 05 0.157 Btu/h·ft²·°F (R-6.4)

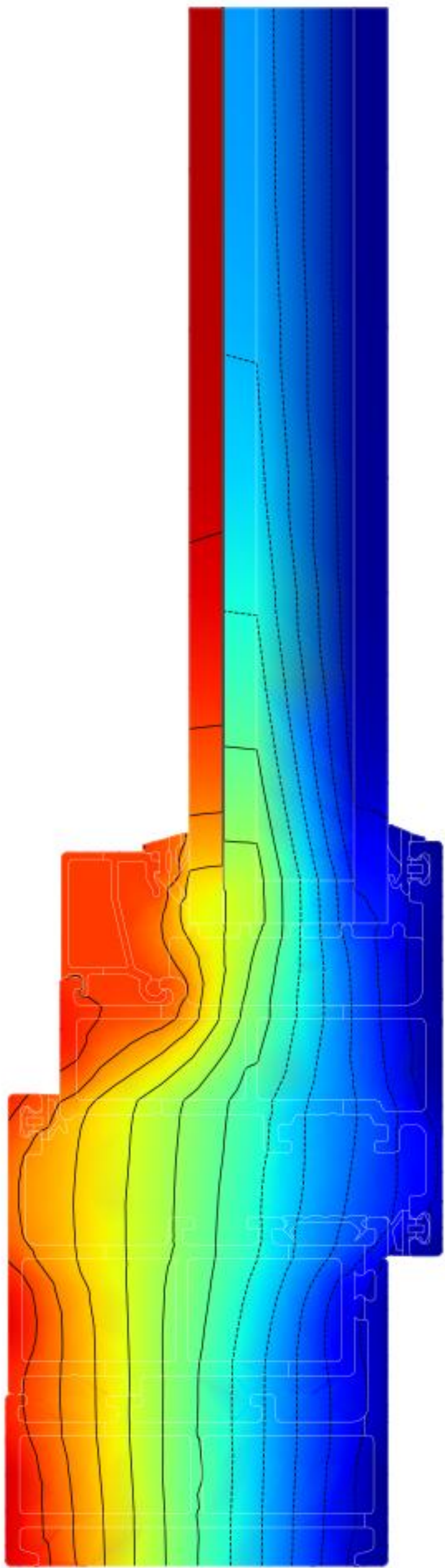
Section and components



ROOM
21 °C / 70 °F

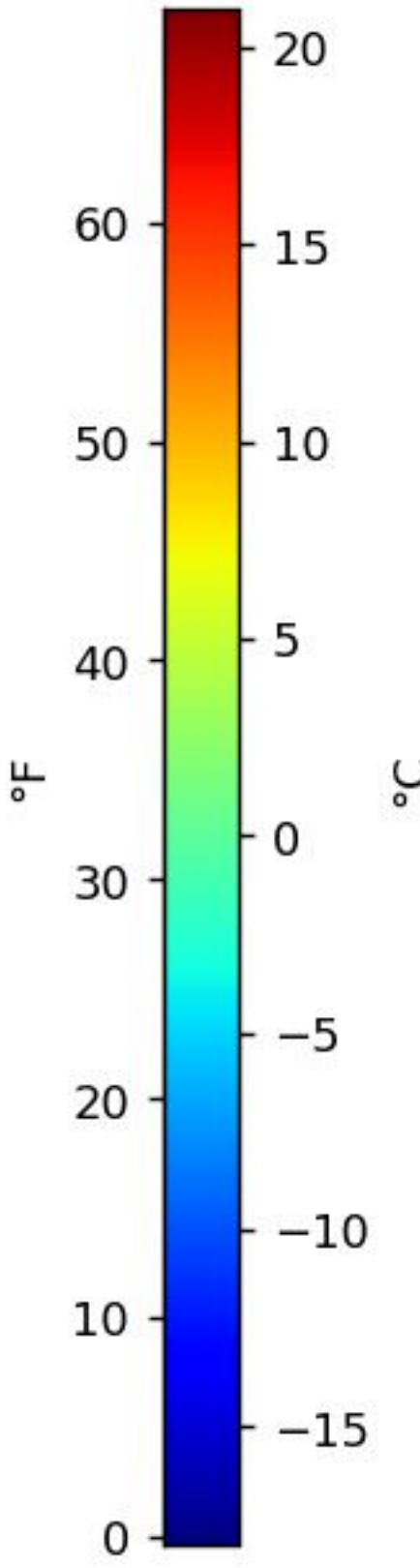
OUTSIDE
-18 °C / 0 °F

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



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F



- | | |
|--|---|
| Fiberglass frame (GFRPU), k 0.114 W/m·K | Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K |
| EPDM gaskets, k 0.25 W/m·K | Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K |
| EPDM foam (gasket), k 0.039 W/m·K | Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K |
| PU foam glazing pad, k 0.024 W/m·K | Vacuum unit edge seal (proprietary metallic), k 58 W/m·K |
| PU foam (chamber fill), k 0.024 W/m·K | Vacuum gap 0.3 mm, effective k 0.000128 W/m·K |
| Air cavities (NFRC 100 cavity model) | Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K |
| PU foam (standard insert), k 0.024 W/m·K | Aluminum glazing bead, k 160 W/m·K |
| Glass, outer lite (low-E #2), k 1 W/m·K | PU foam (under glazing bead), k 0.024 W/m·K |

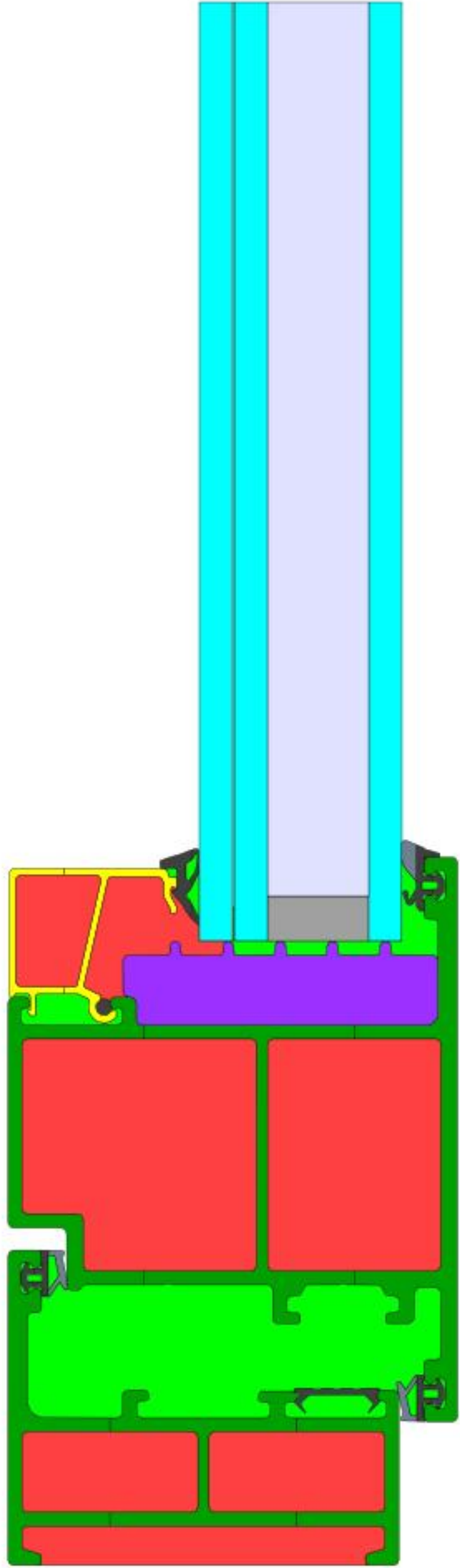
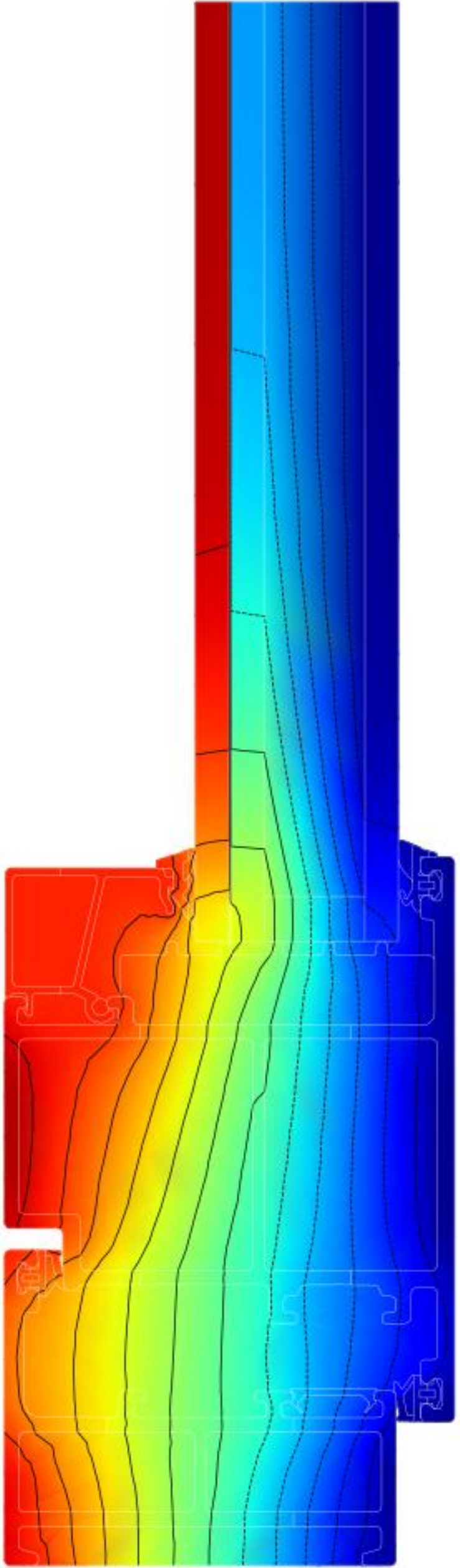
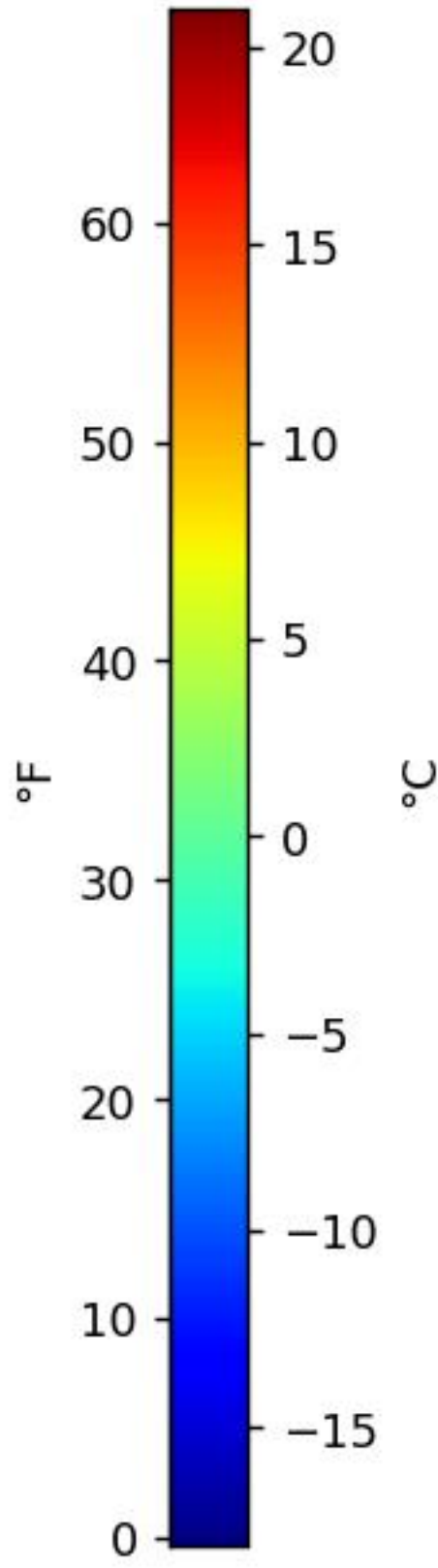
GR70 swing door · Head | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 1.127 W/m²K over 127.2 mm | Edge U 0.721 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door at 960 x 2090 mm: KØLD 05 0.119 Btu/h·ft²·°F (R-8.4) · MILD 05 0.118 Btu/h·ft²·°F (R-8.5) · HEIT 05 0.118 Btu/h·ft²·°F (R-8.5)

Section and components

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



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

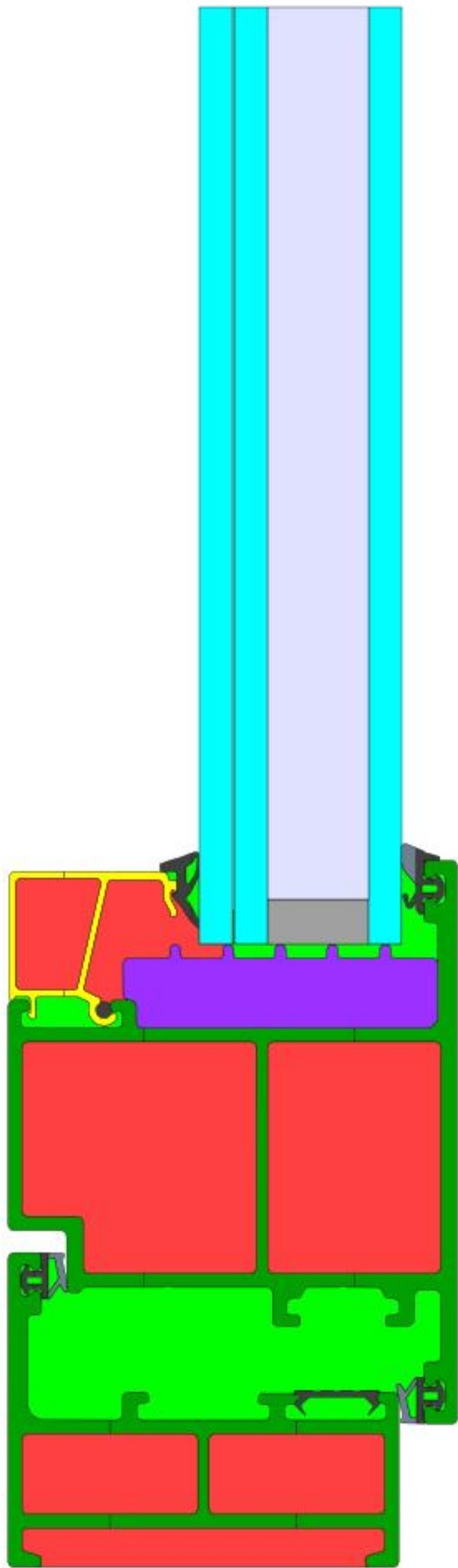
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- | | |
|--|---|
| Fiberglass frame (GFRPU), k 0.114 W/m·K | Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K |
| EPDM gaskets, k 0.25 W/m·K | Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K |
| EPDM foam (gasket), k 0.039 W/m·K | Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K |
| PU foam glazing pad, k 0.024 W/m·K | Vacuum unit edge seal (proprietary metallic), k 58 W/m·K |
| PU foam (chamber fill), k 0.024 W/m·K | Vacuum gap 0.3 mm, effective k 0.000128 W/m·K |
| Air cavities (NFRC 100 cavity model) | Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K |
| PU foam (standard insert), k 0.024 W/m·K | Aluminum glazing bead, k 160 W/m·K |
| Glass, outer lite (low-E #2), k 1 W/m·K | PU foam (under glazing bead), k 0.024 W/m·K |

GR70 swing door · Jamb 1 | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 1.104 W/m²K over 127.2 mm | Edge U 0.721 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole door at 960 x 2090 mm: KØLD 05 0.119 Btu/h·ft²·°F (R-8.4) · MILD 05 0.118 Btu/h·ft²·°F (R-8.5) · HEIT 05 0.118 Btu/h·ft²·°F (R-8.5)

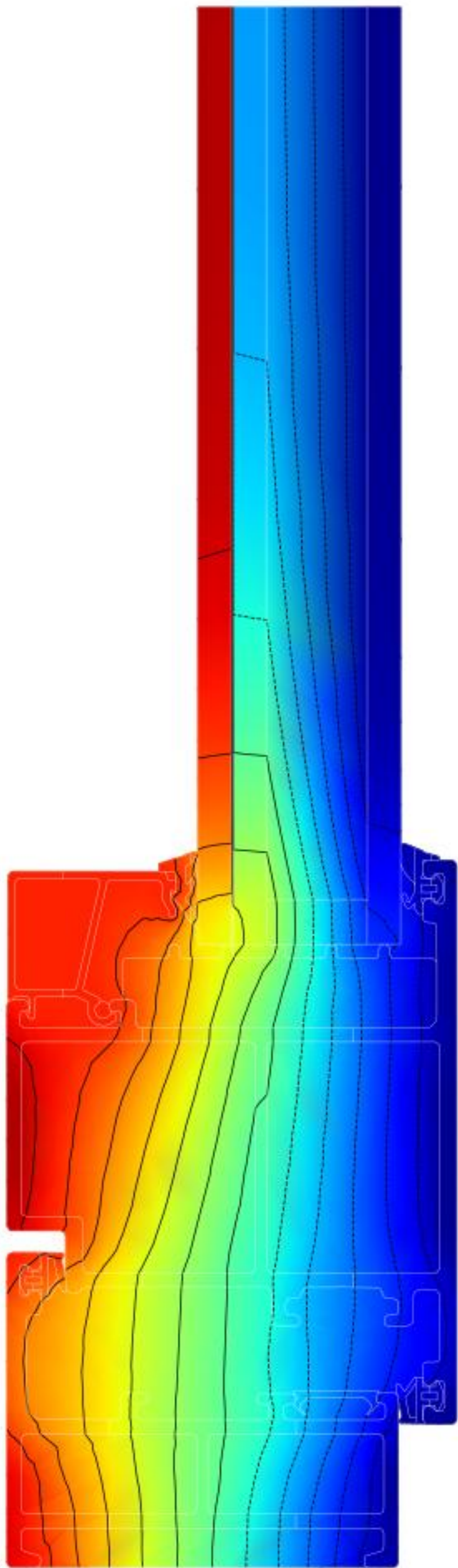
Section and components



ROOM
21 °C / 70 °F

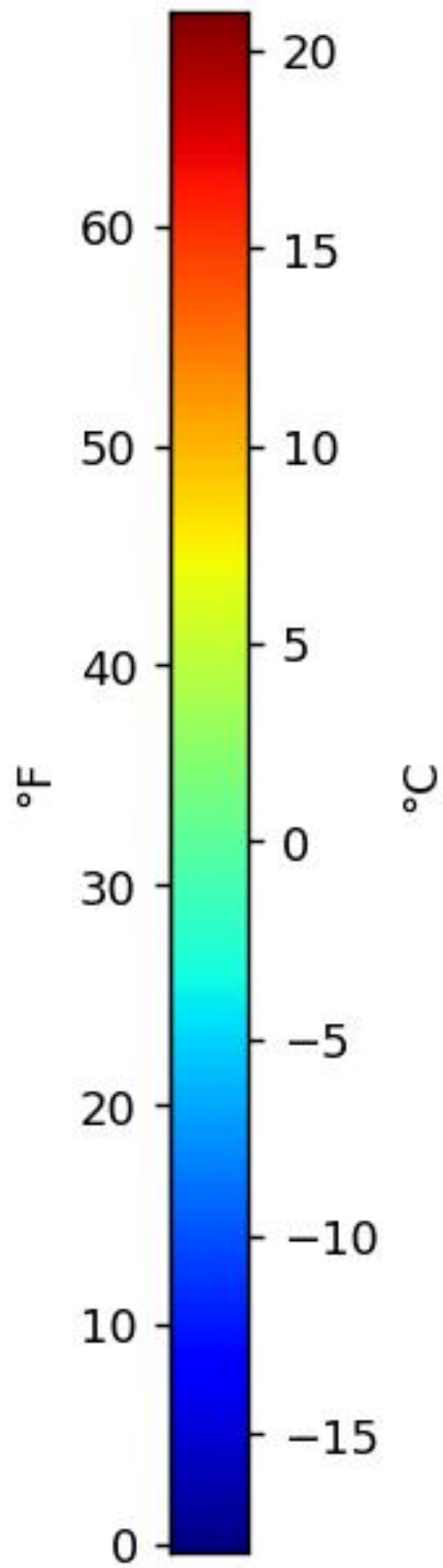
OUTSIDE
-18 °C / 0 °F

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



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

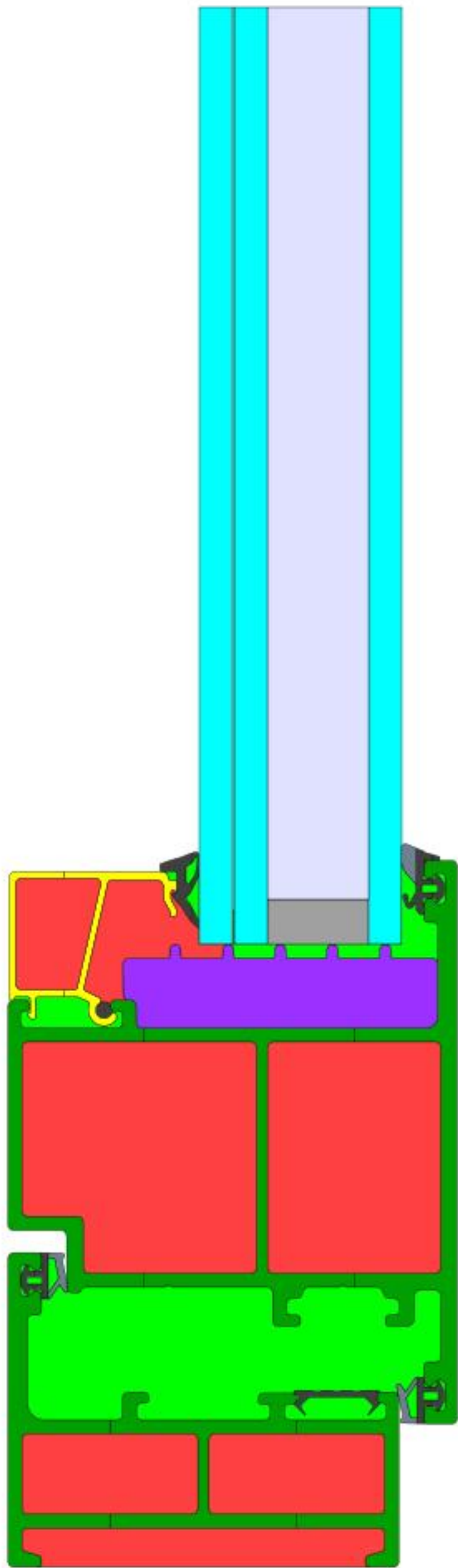


- Fiberglass frame (GFRPU), k 0.114 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- PU foam (standard insert), k 0.024 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K

- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Aluminum glazing bead, k 160 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

GR70 swing door · Jamb 2 | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 1.103 W/m²K over 127.2 mm | Edge U 0.720 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole door at 960 x 2090 mm: KØLD 05 0.119 Btu/h·ft²·°F (R-8.4) · MILD 05 0.118 Btu/h·ft²·°F (R-8.5) · HEIT 05 0.118 Btu/h·ft²·°F (R-8.5)

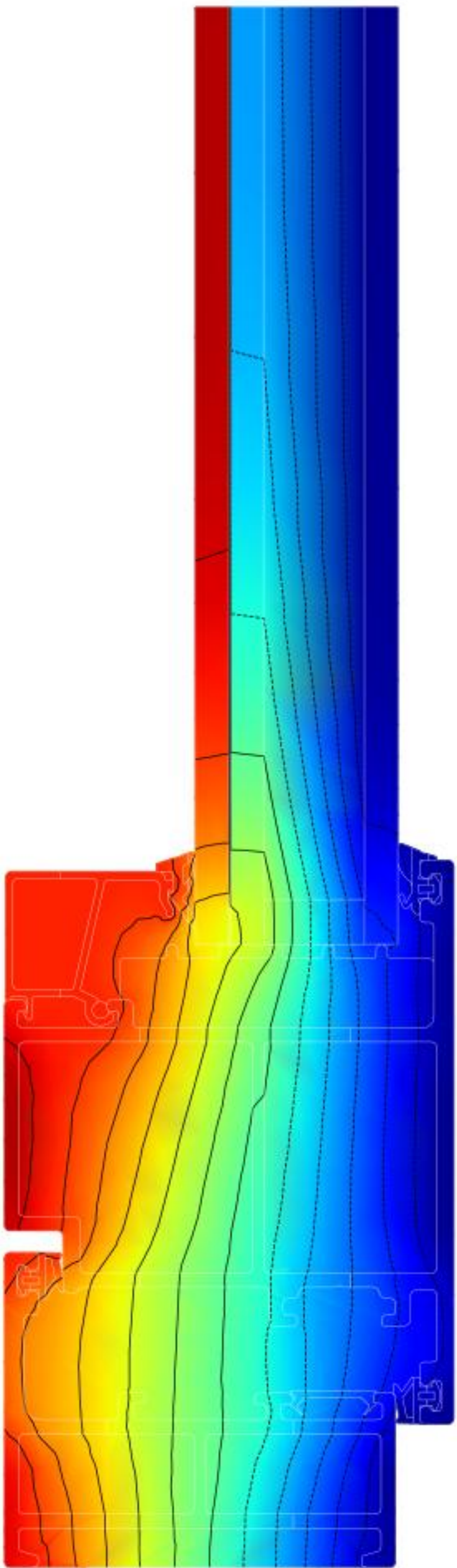
Section and components



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

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



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass frame (GFRPU), k 0.114 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- PU foam (standard insert), k 0.024 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K

- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Aluminum glazing bead, k 160 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

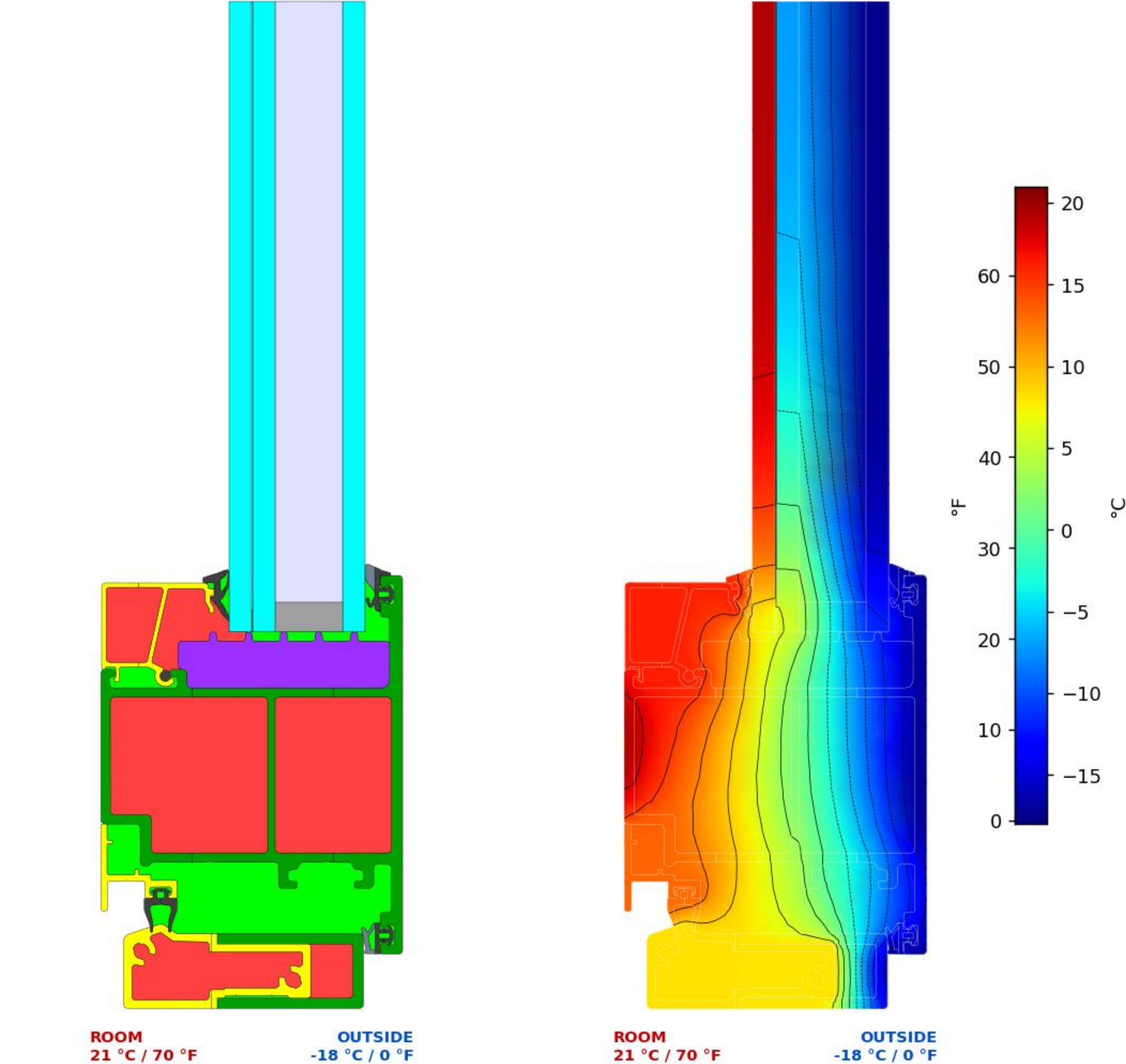
GR70 swing door · Sill | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 1.562 W/m²K over 116.0 mm | Edge U 0.715 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door at 960 x 2090 mm: KØLD 05 0.119 Btu/h·ft²·°F (R-8.4) · MILD 05 0.118 Btu/h·ft²·°F (R-8.5) · HEIT 05 0.118 Btu/h·ft²·°F (R-8.5)

Section and components

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



- | | |
|---|---|
| Fiberglass frame (GFRPU), k 0.114 W/m·K | Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K |
| Aluminum glazing bead, k 160 W/m·K | Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K |
| EPDM gaskets, k 0.25 W/m·K | Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K |
| EPDM foam (gasket), k 0.039 W/m·K | Vacuum unit edge seal (proprietary metallic), k 58 W/m·K |
| PU foam glazing pad, k 0.024 W/m·K | Vacuum gap 0.3 mm, effective k 0.000128 W/m·K |
| PU foam (chamber fill), k 0.024 W/m·K | Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K |
| Air cavities (NFRC 100 cavity model) | PU foam (under glazing bead), k 0.024 W/m·K |
| Glass, outer lite (low-E #2), k 1 W/m·K | |

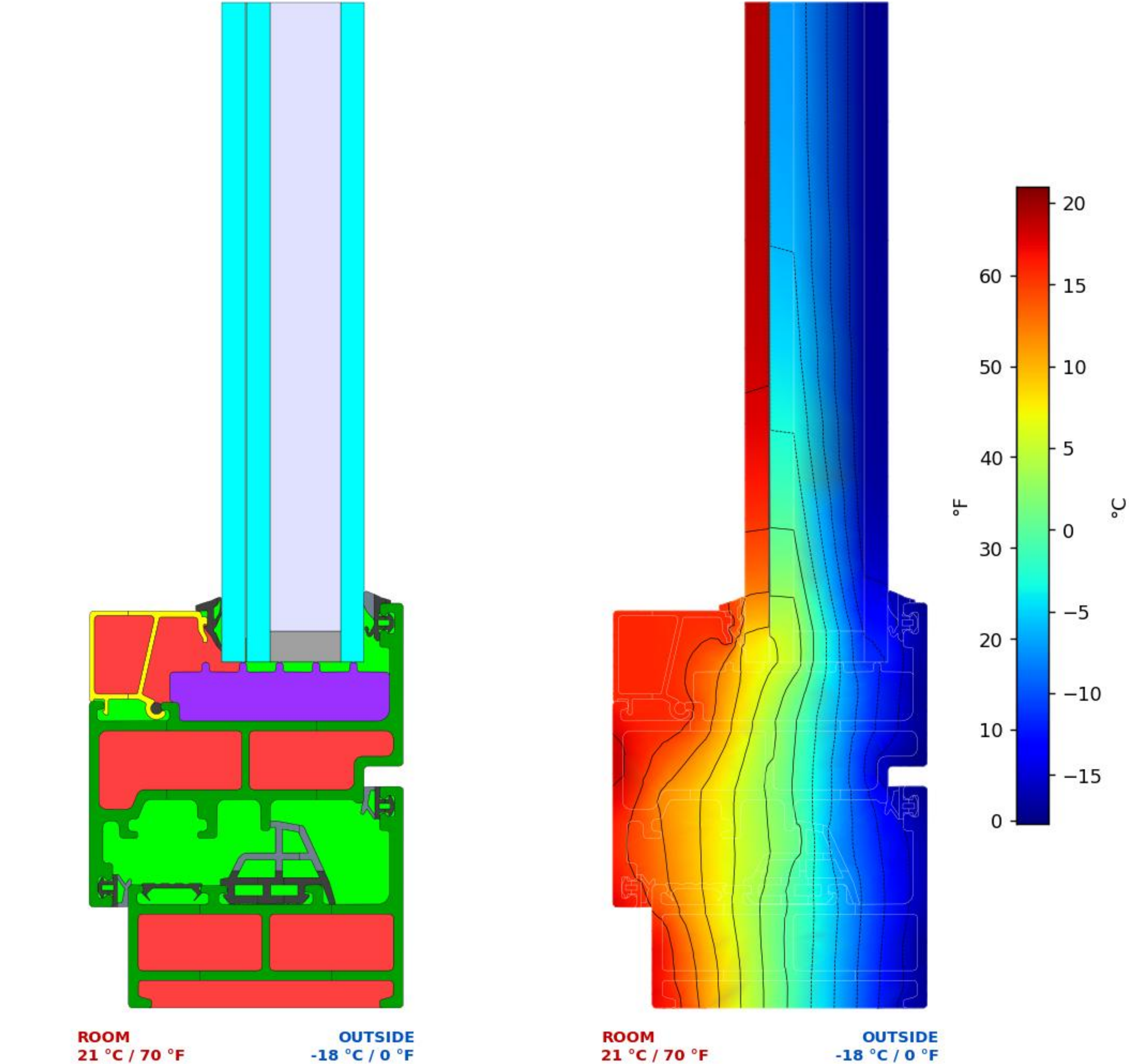
GR70 dual action · Sill | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 1.083 W/m²K over 103.6 mm | Edge U 0.713 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole window at 1200 x 1500 mm: KØLD 05 0.104 Btu/h·ft²·°F (R-9.6) · MILD 05 0.104 Btu/h·ft²·°F (R-9.6) · HEIT 05 0.104 Btu/h·ft²·°F (R-9.6)

Section and components

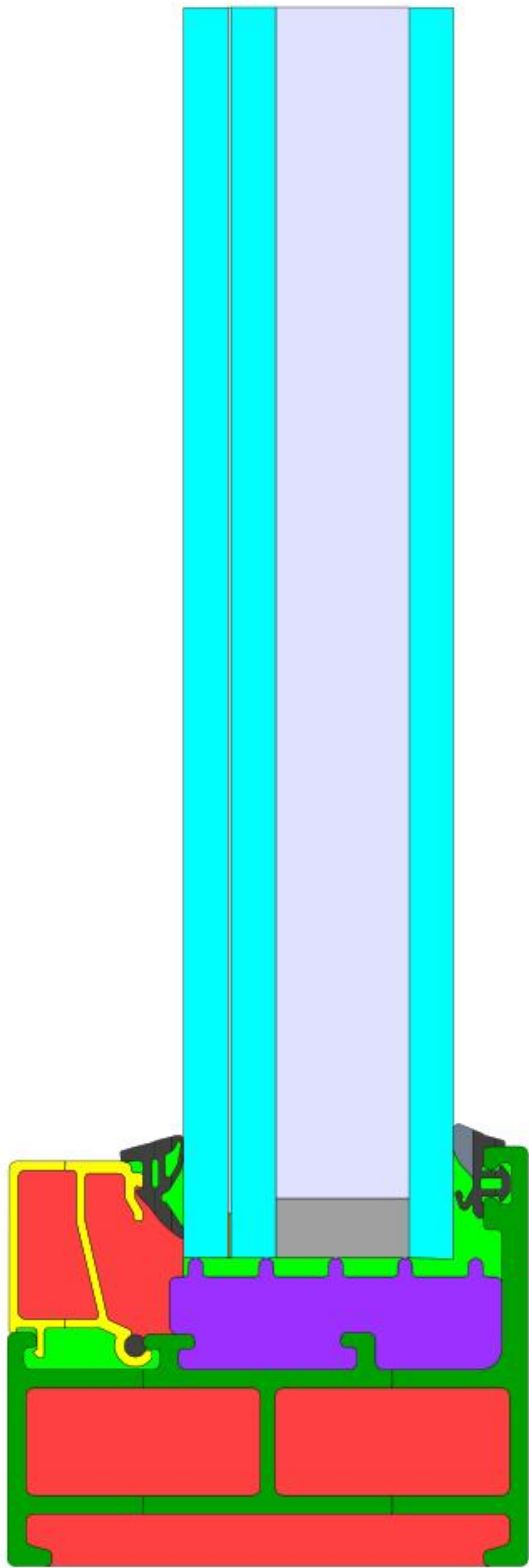
Temperature, °C / °F (isotherms every 3 °C / 5.4 °F)



- | | |
|--|---|
| Fiberglass frame (GFRPU), k 0.114 W/m·K | Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K |
| EPDM gaskets, k 0.25 W/m·K | Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K |
| EPDM foam (gasket), k 0.039 W/m·K | Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K |
| PU foam glazing pad, k 0.024 W/m·K | Vacuum unit edge seal (proprietary metallic), k 58 W/m·K |
| PU foam (chamber fill), k 0.024 W/m·K | Vacuum gap 0.3 mm, effective k 0.000128 W/m·K |
| Air cavities (NFRC 100 cavity model) | Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K |
| PU foam (standard insert), k 0.024 W/m·K | Aluminum glazing bead, k 160 W/m·K |
| Glass, outer lite (low-E #2), k 1 W/m·K | PU foam (under glazing bead), k 0.024 W/m·K |

GR70 fixed · Sill | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 1.101 W/m²K over 56.9 mm | Edge U 0.758 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole window at 1200 x 1500 mm: KØLD 05 0.090 Btu/h·ft²·°F (R-11.1) · MILD 05 0.090 Btu/h·ft²·°F (R-11.1) · HEIT 05 0.090 Btu/h·ft²·°F (R-11.1)

Section and components

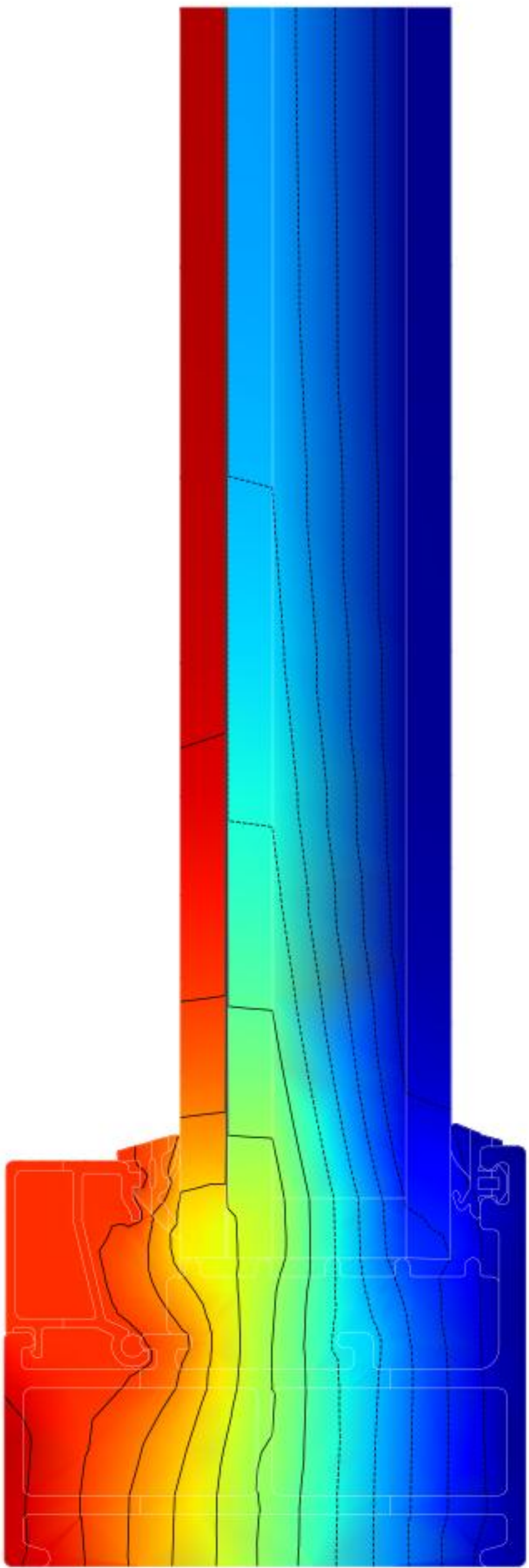


ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass frame (GFRPU), k 0.114 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- PU foam (standard insert), k 0.024 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K

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



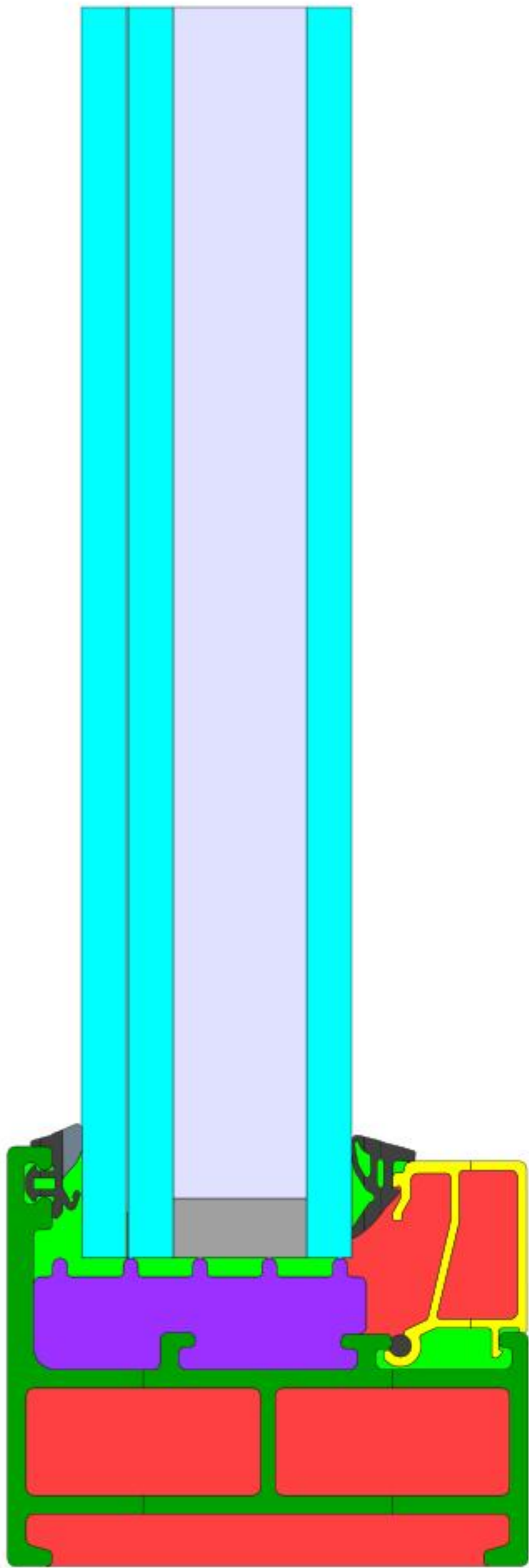
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Aluminum glazing bead, k 160 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

GR70 fixed (flipped) · Sill | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 1.008 W/m²K over 58.4 mm | Edge U 0.813 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole window at 1200 x 1500 mm: KØLD 05 0.089 Btu/h·ft²·°F (R-11.2) · MILD 05 0.089 Btu/h·ft²·°F (R-11.2) · HEIT 05 0.089 Btu/h·ft²·°F (R-11.2)

Section and components

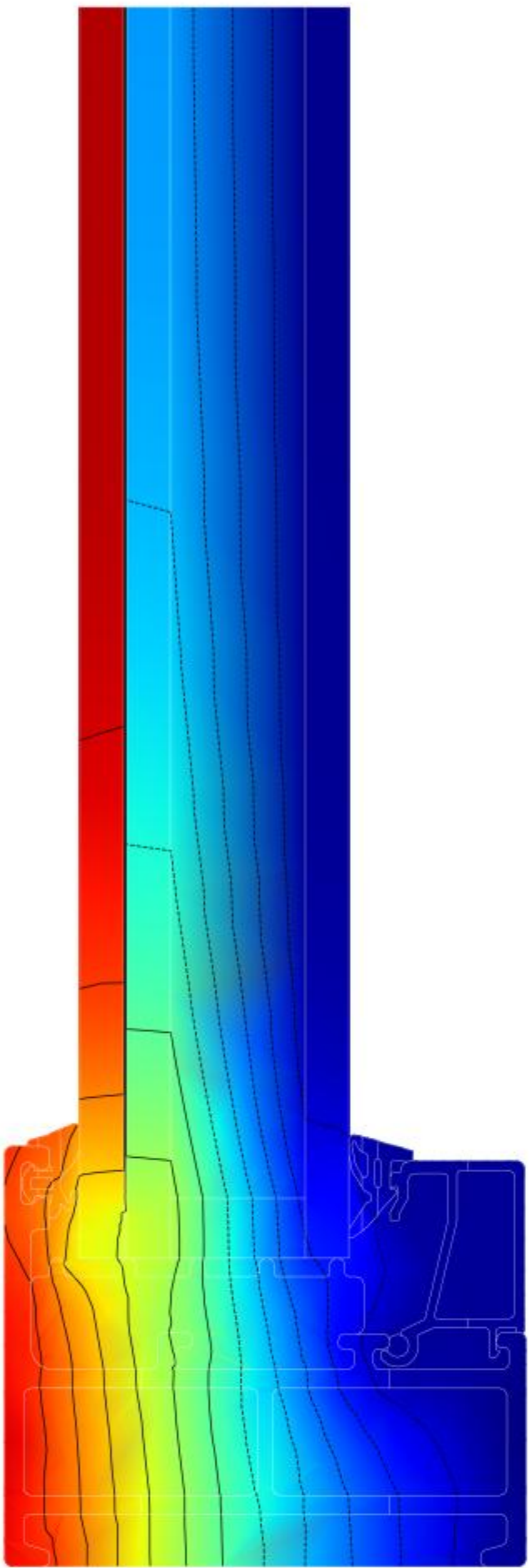


ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass frame (GFRPU), k 0.114 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- PU foam (standard insert), k 0.024 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K

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



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

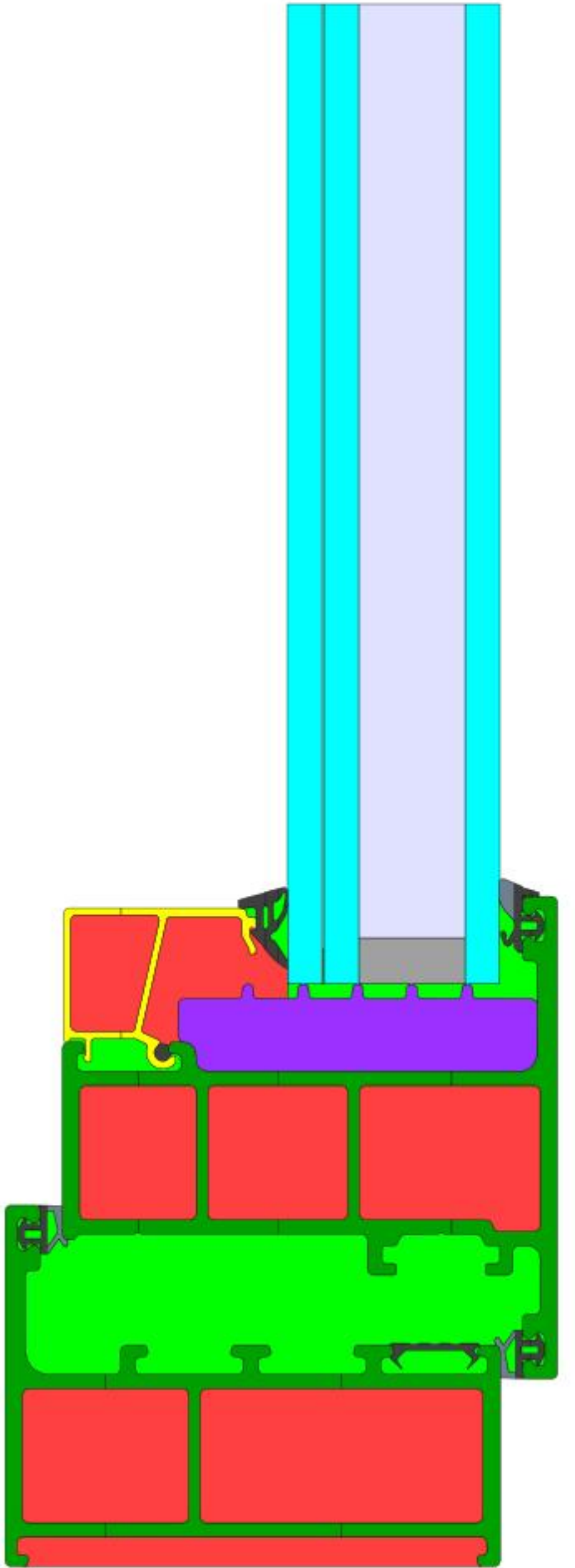
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Aluminum glazing bead, k 160 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

GR85 casement · Sill | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 1.117 W/m²K over 115.5 mm | Edge U 0.751 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole window at 600 x 1500 mm: KØLD 05 0.139 Btu/h·ft²·°F (R-7.2) · MILD 05 0.139 Btu/h·ft²·°F (R-7.2) · HEIT 05 0.139 Btu/h·ft²·°F (R-7.2)

Section and components

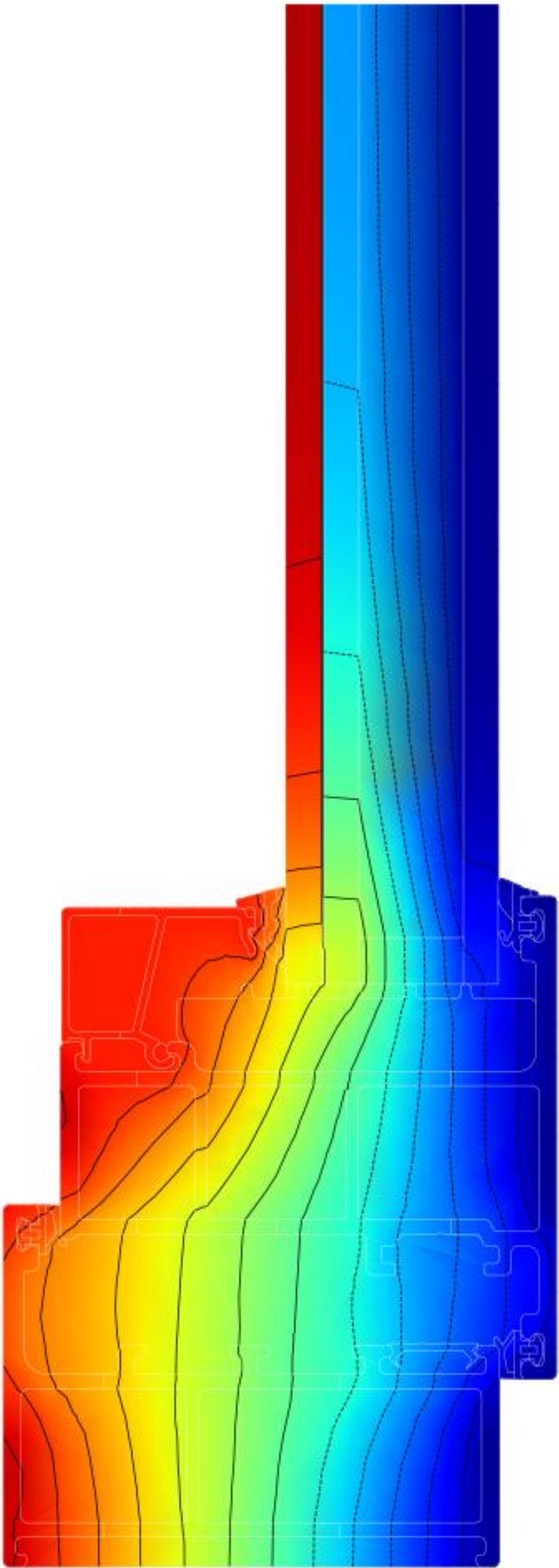


ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass frame (GFRPU), k 0.114 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- PU foam (standard insert), k 0.024 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- Glass, outer lite (low-E #2), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K

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



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

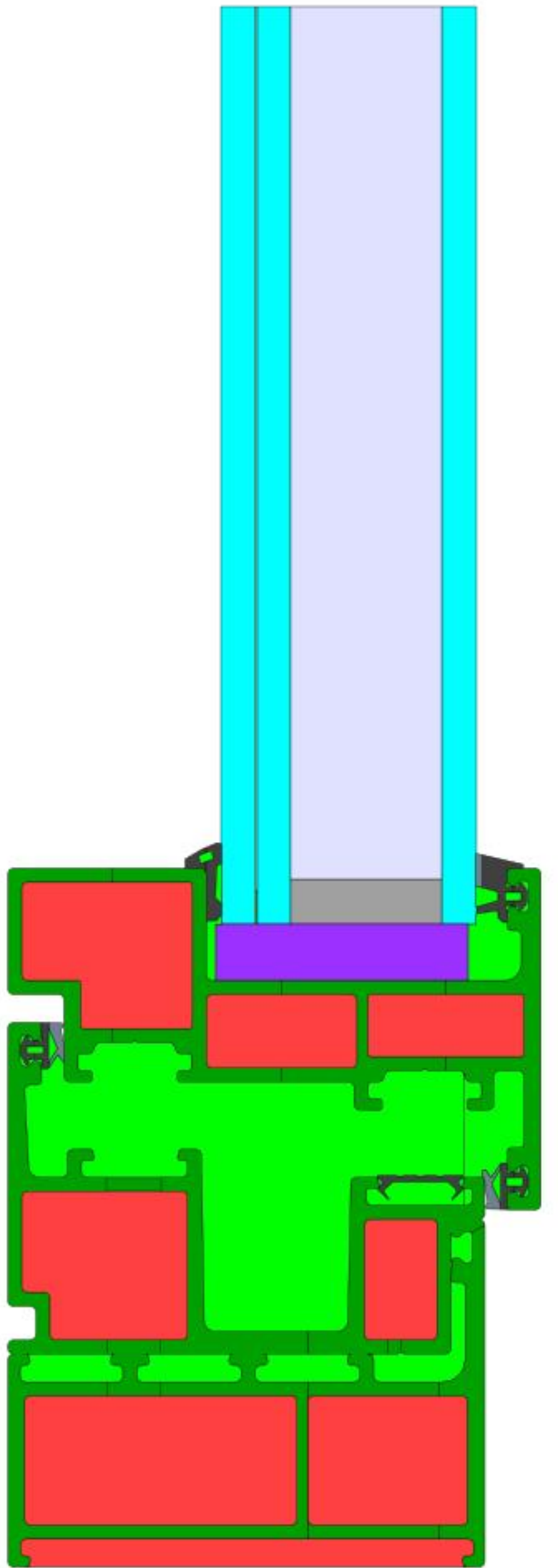
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Aluminum glazing bead, k 160 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

GR85 casement with screen · Sill | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (27 mm)

Frame U 0.907 W/m²K over 128.1 mm | Edge U 0.863 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole window at 600 x 1500 mm: KØLD 05 0.130 Btu/h·ft²·°F (R-7.7) · MILD 05 0.130 Btu/h·ft²·°F (R-7.7) · HEIT 05 0.130 Btu/h·ft²·°F (R-7.7)

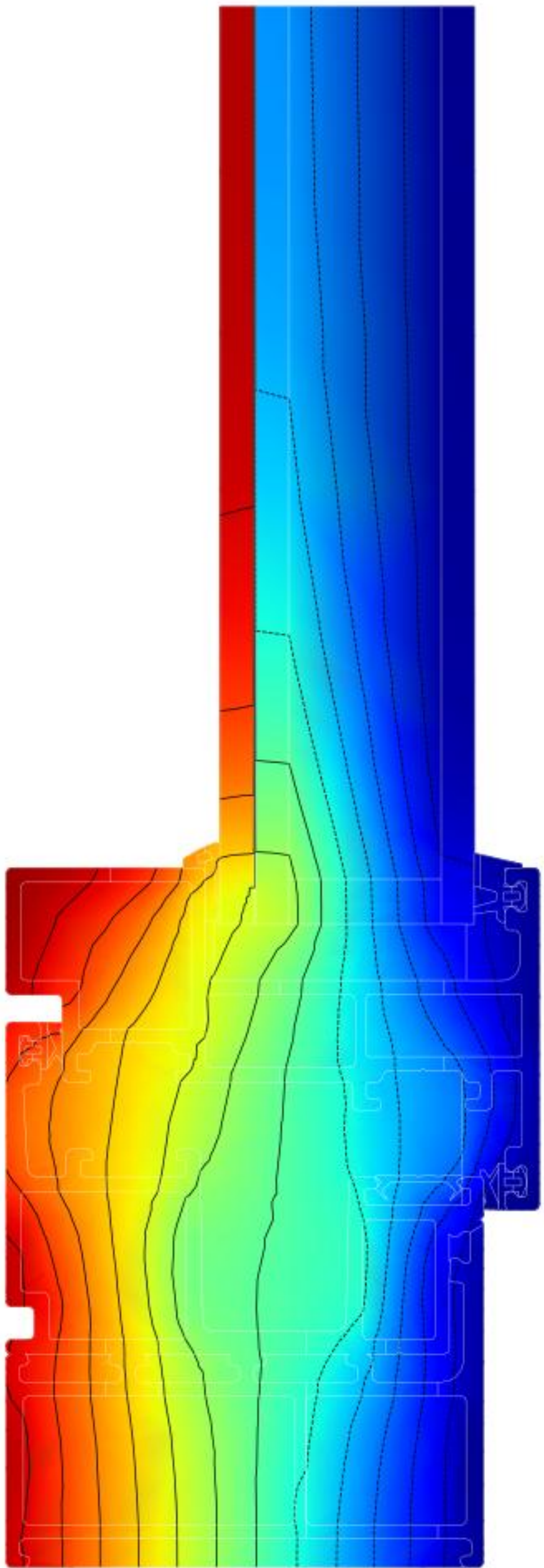
Section and components



ROOM
21 °C / 70 °F

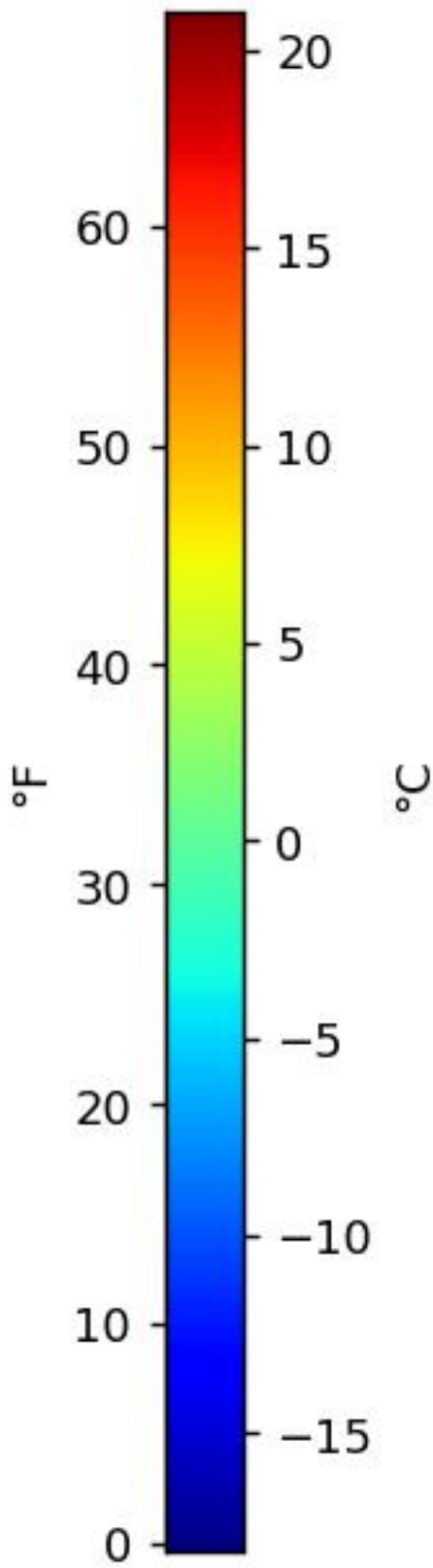
OUTSIDE
-18 °C / 0 °F

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



ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F



- Fiberglass frame (GFRPU), k 0.114 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- PU foam (standard insert), k 0.024 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K
- Air cavities (NFRC 100 cavity model)

- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K
- Argon 90%, 27 mm cavity, effective k 0.0401 W/m·K
- PU foam glazing pad, k 0.024 W/m·K

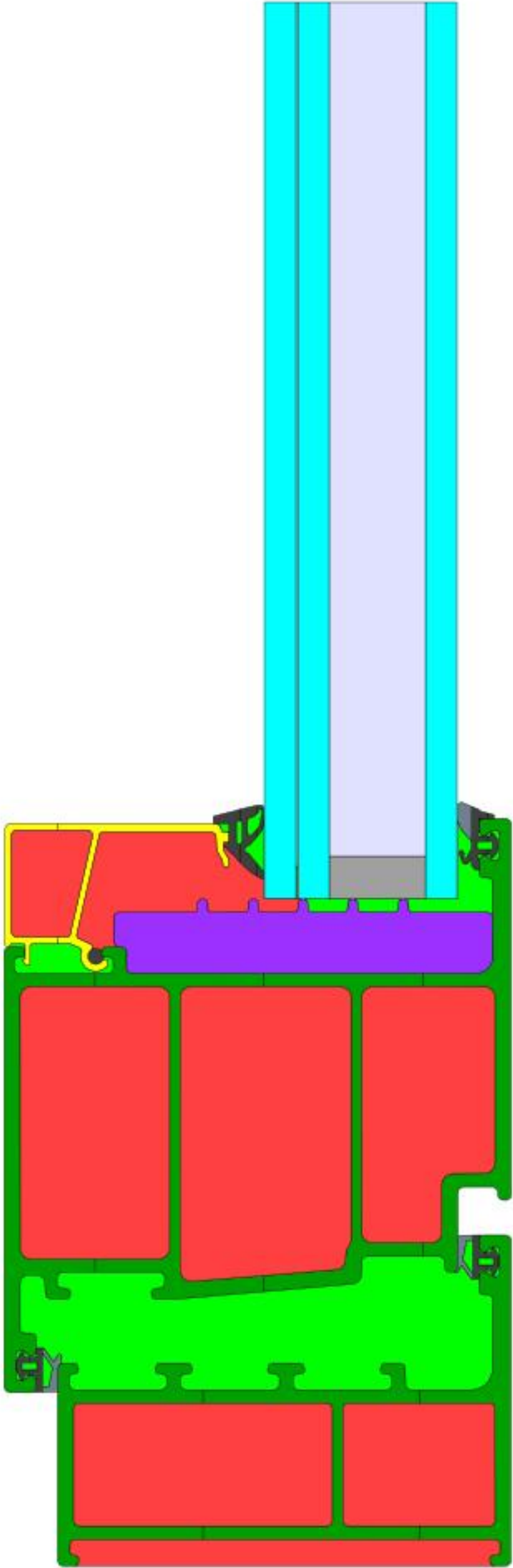
GR85 swing door · Head | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 0.915 W/m²K over 141.5 mm | Edge U 0.749 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door at 960 x 2090 mm: KØLD 05 0.109 Btu/h·ft²·°F (R-9.2) · MILD 05 0.109 Btu/h·ft²·°F (R-9.2) · HEIT 05 0.109 Btu/h·ft²·°F (R-9.2)

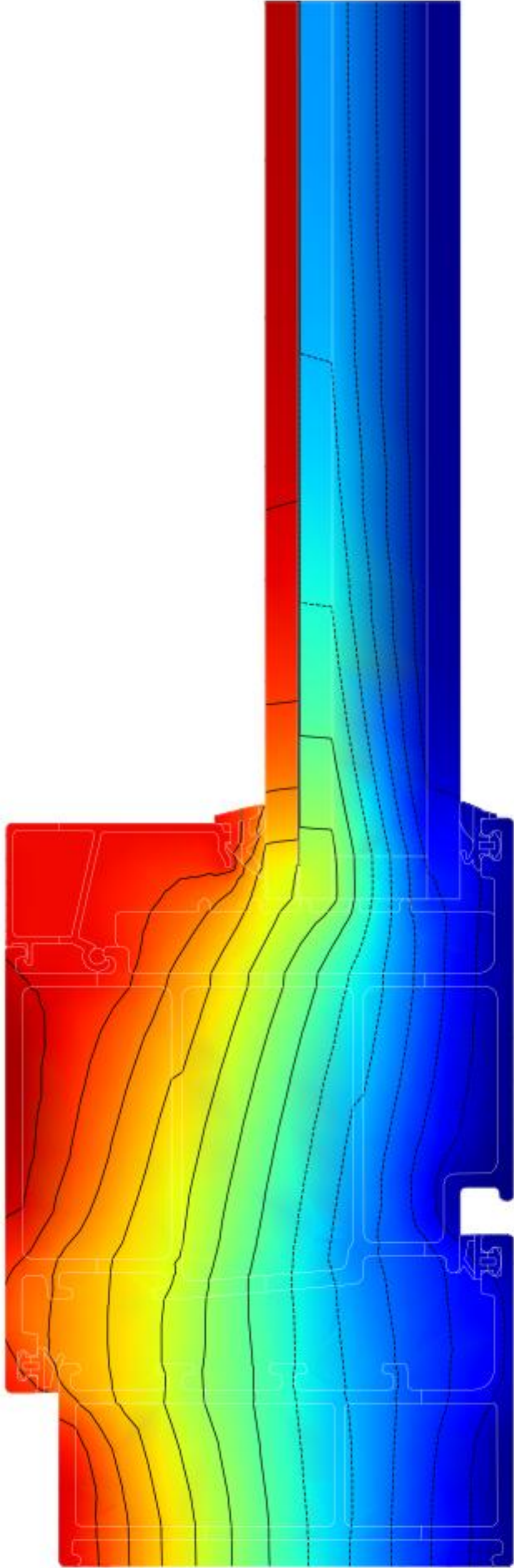
Section and components

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



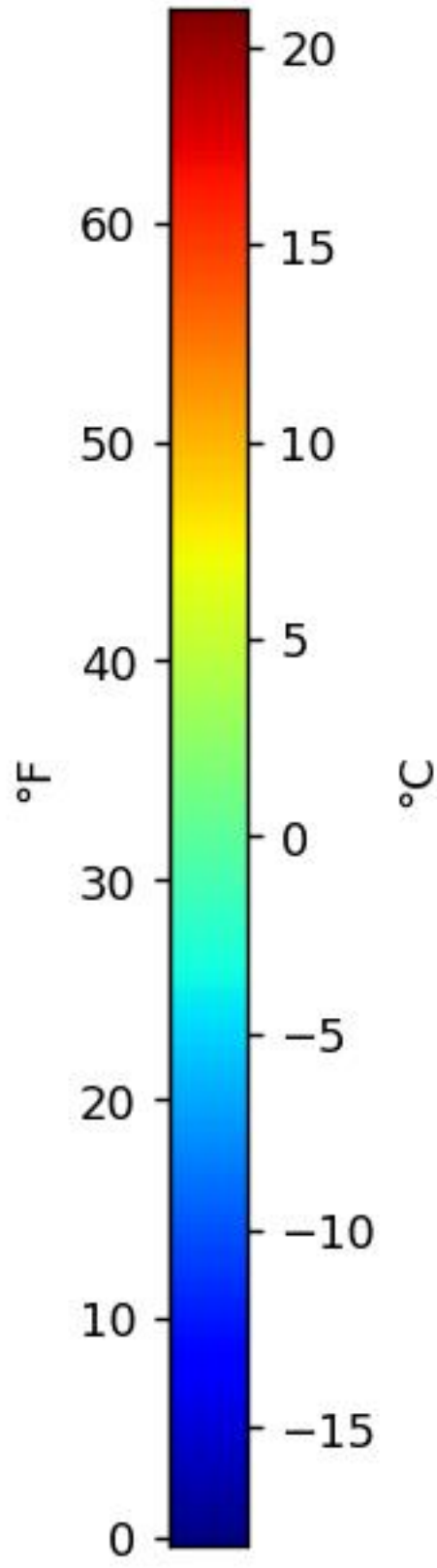
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F



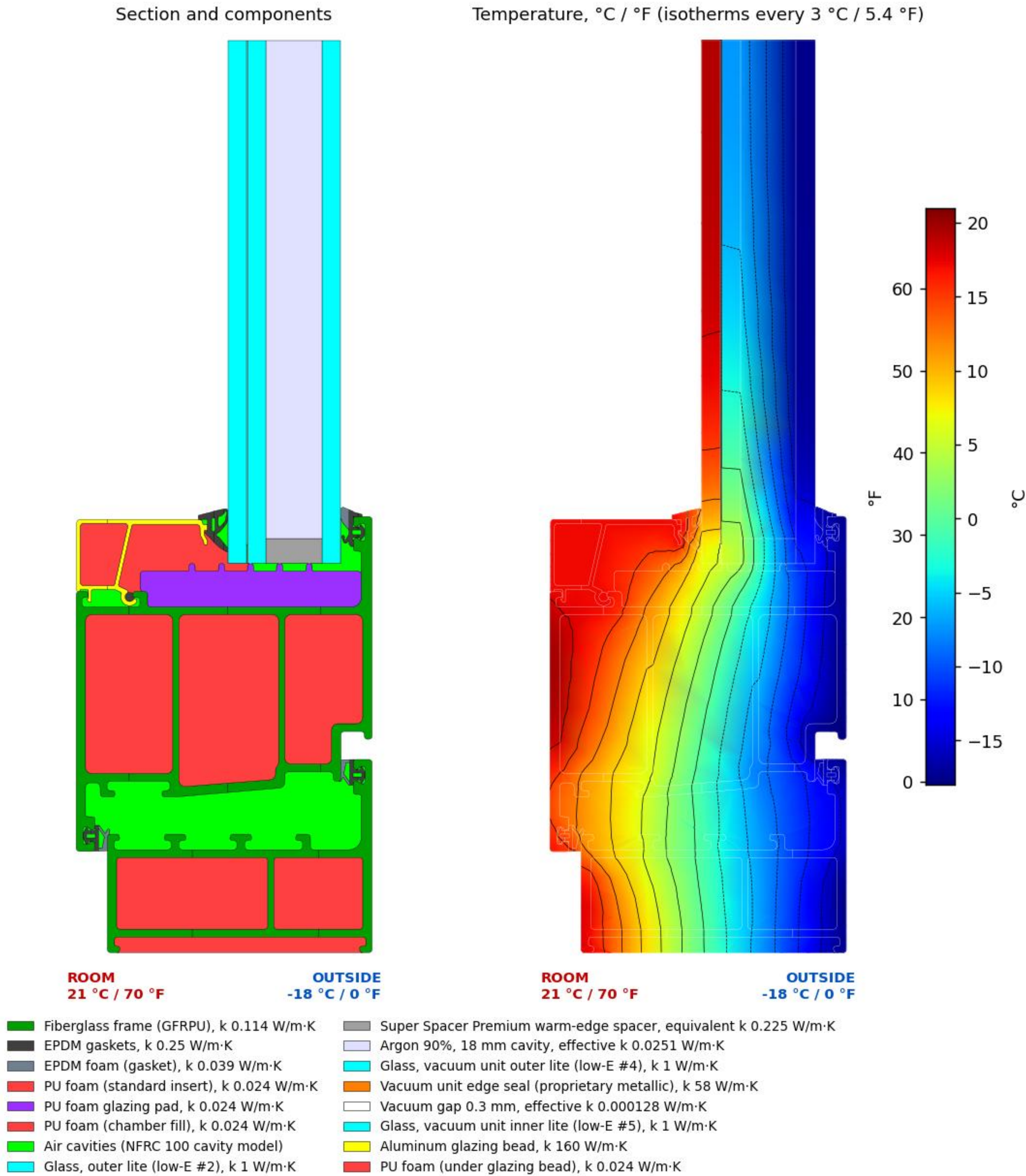
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

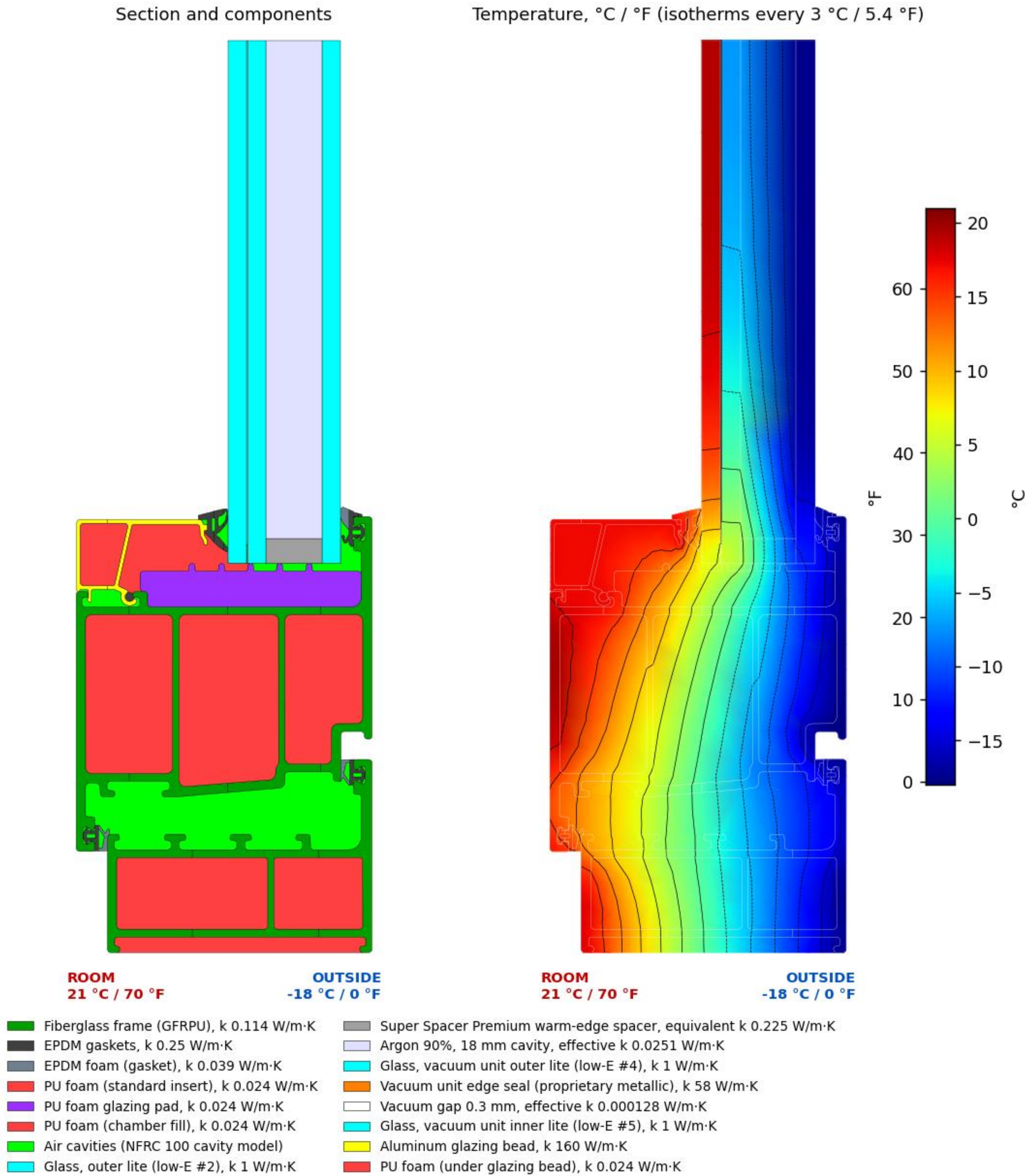


- | | |
|--|---|
| ■ Fiberglass frame (GFRPU), k 0.114 W/m·K | ■ Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K |
| ■ EPDM gaskets, k 0.25 W/m·K | ■ Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K |
| ■ EPDM foam (gasket), k 0.039 W/m·K | ■ Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K |
| ■ PU foam (standard insert), k 0.024 W/m·K | ■ Vacuum unit edge seal (proprietary metallic), k 58 W/m·K |
| ■ PU foam glazing pad, k 0.024 W/m·K | ■ Vacuum gap 0.3 mm, effective k 0.000128 W/m·K |
| ■ PU foam (chamber fill), k 0.024 W/m·K | ■ Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K |
| ■ Air cavities (NFRC 100 cavity model) | ■ Aluminum glazing bead, k 160 W/m·K |
| ■ Glass, outer lite (low-E #2), k 1 W/m·K | ■ PU foam (under glazing bead), k 0.024 W/m·K |

GR85 swing door · Jamb 1 | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 0.912 W/m²K over 141.5 mm | Edge U 0.747 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole door at 960 x 2090 mm: KØLD 05 0.109 Btu/h·ft²·°F (R-9.2) · MILD 05 0.109 Btu/h·ft²·°F (R-9.2) · HEIT 05 0.109 Btu/h·ft²·°F (R-9.2)



GR85 swing door · Jamb 2 | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 0.912 W/m²K over 141.5 mm | Edge U 0.748 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole door at 960 x 2090 mm: KØLD 05 0.109 Btu/h·ft²·°F (R-9.2) · MILD 05 0.109 Btu/h·ft²·°F (R-9.2) · HEIT 05 0.109 Btu/h·ft²·°F (R-9.2)



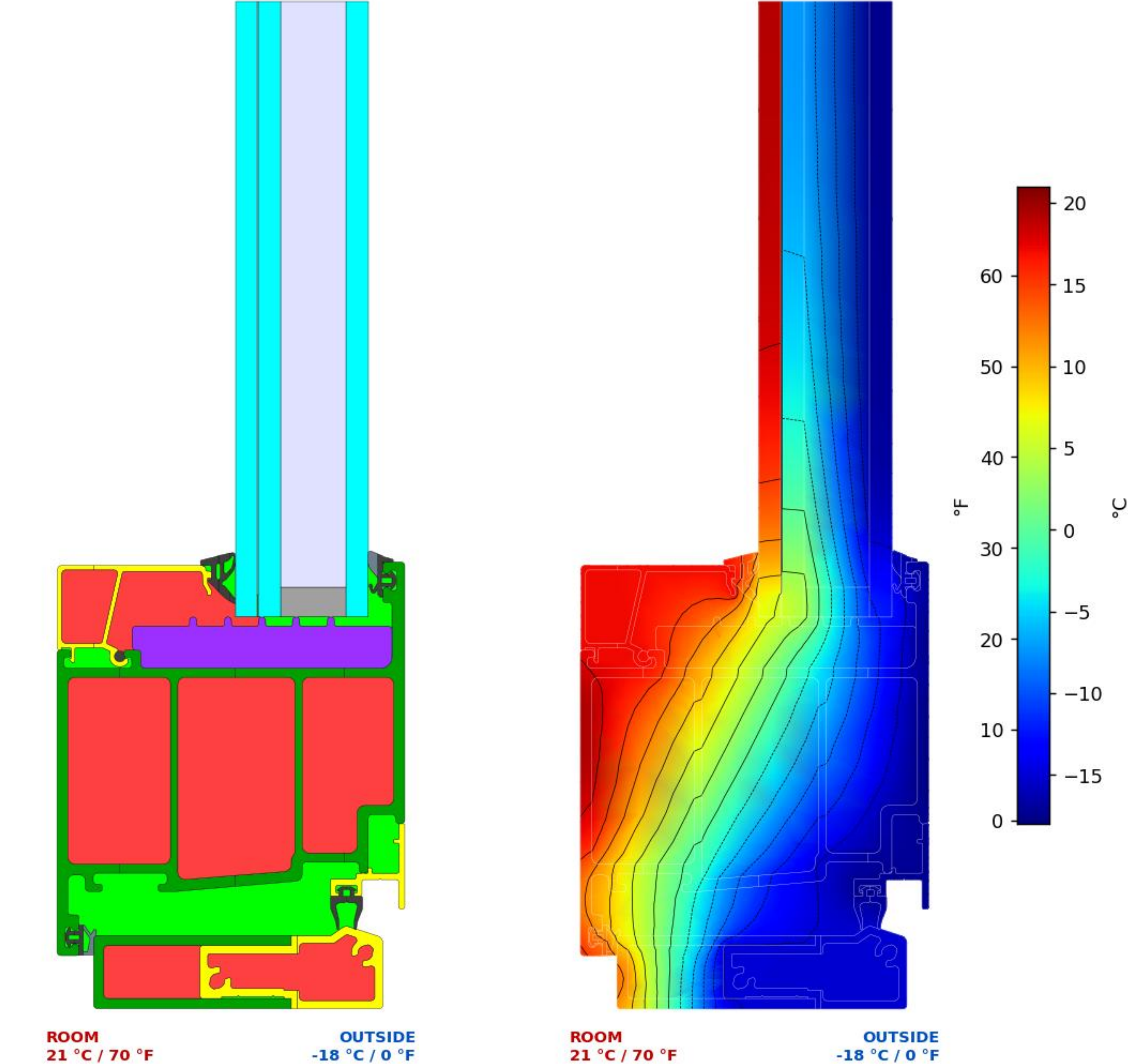
GR85 swing door · Sill | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 1.154 W/m²K over 123.5 mm | Edge U 0.752 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door at 960 x 2090 mm: KØLD 05 0.109 Btu/h·ft²·°F (R-9.2) · MILD 05 0.109 Btu/h·ft²·°F (R-9.2) · HEIT 05 0.109 Btu/h·ft²·°F (R-9.2)

Section and components

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

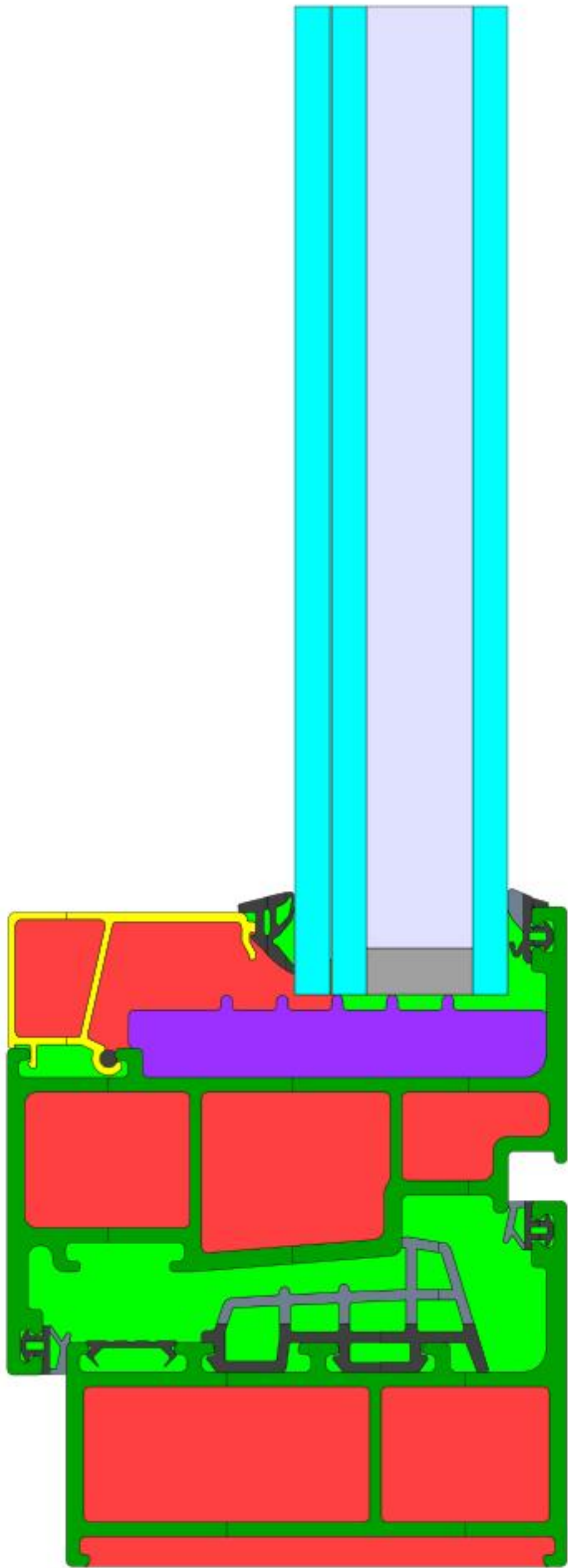


- Fiberglass frame (GFRPU), k 0.114 W/m·K
- Aluminum glazing bead, k 160 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- Glass, outer lite (low-E #2), k 1 W/m·K

- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

GR85 dual action · Sill | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 0.840 W/m²K over 113.5 mm | Edge U 0.750 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole window at 1200 x 1500 mm: KØLD 05 0.095 Btu/h·ft²·°F (R-10.5) · MILD 05 0.095 Btu/h·ft²·°F (R-10.5) · HEIT 05 0.095 Btu/h·ft²·°F (R-10.5)

Section and components

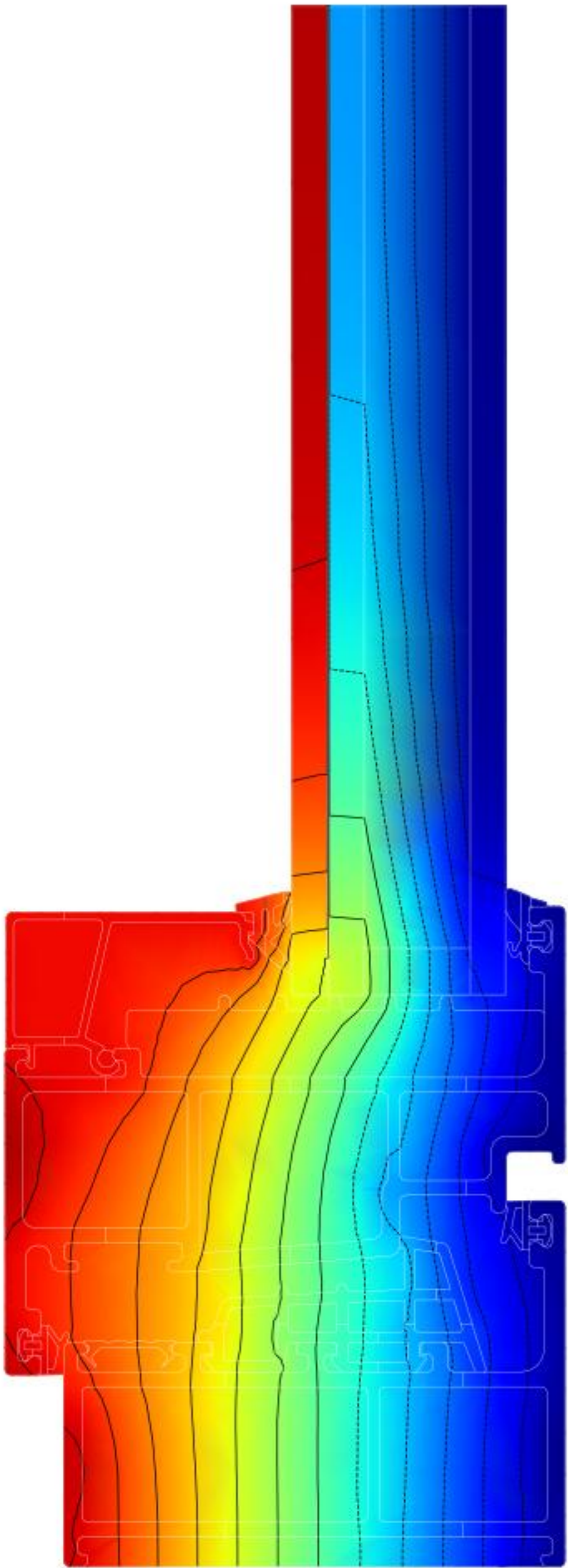


ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass frame (GFRPU), k 0.114 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- PU foam (standard insert), k 0.024 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- Glass, outer lite (low-E #2), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K

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



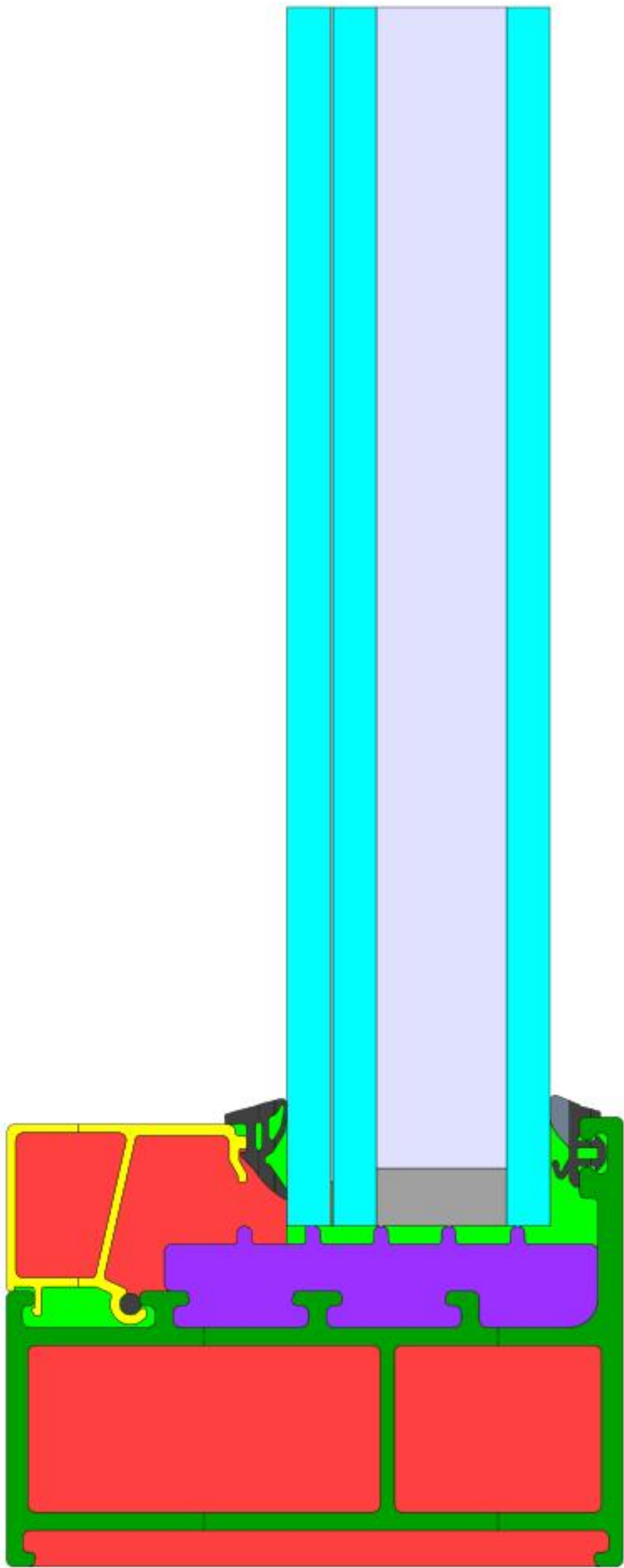
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Aluminum glazing bead, k 160 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

GR85 fixed · Sill | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 0.971 W/m²K over 63.5 mm | Edge U 0.734 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole window at 1200 x 1500 mm: KØLD 05 0.088 Btu/h·ft²·°F (R-11.4) · MILD 05 0.087 Btu/h·ft²·°F (R-11.4) · HEIT 05 0.087 Btu/h·ft²·°F (R-11.4)

Section and components

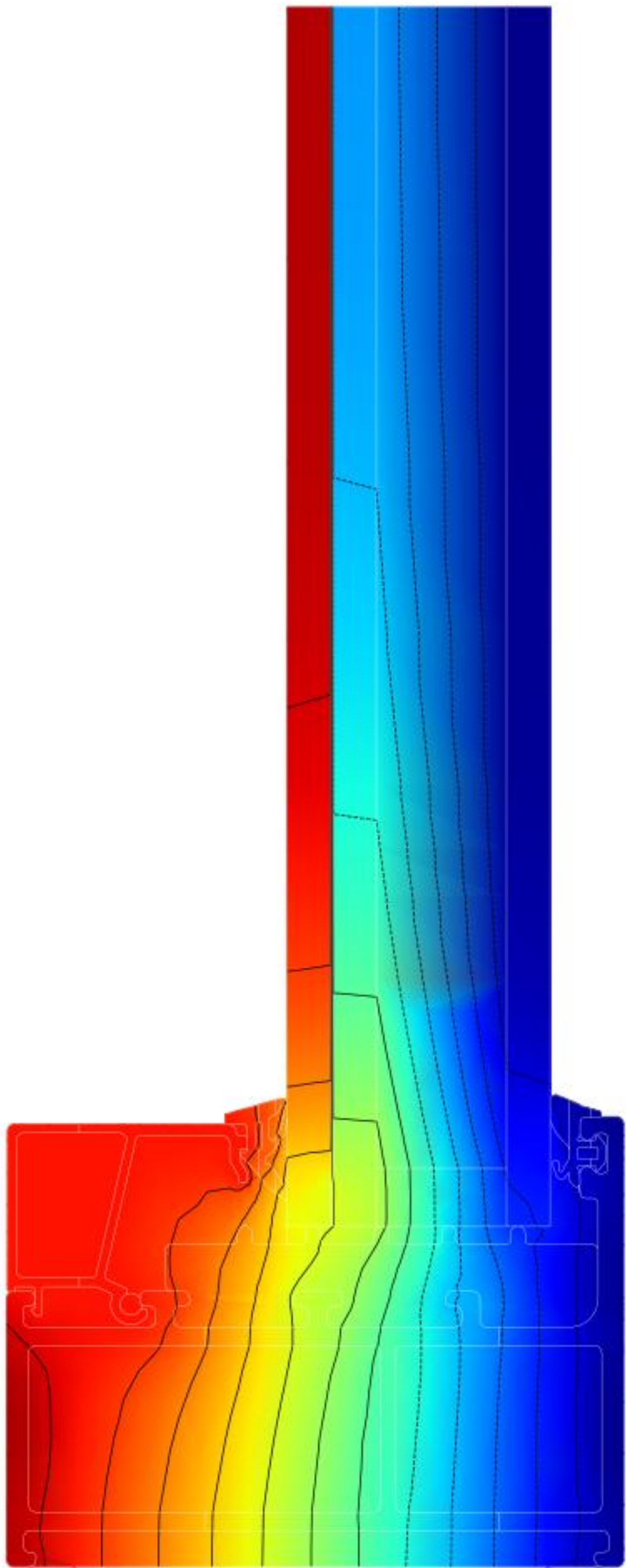


ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass frame (GFRPU), k 0.114 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- PU foam (standard insert), k 0.024 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- Glass, outer lite (low-E #2), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K

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



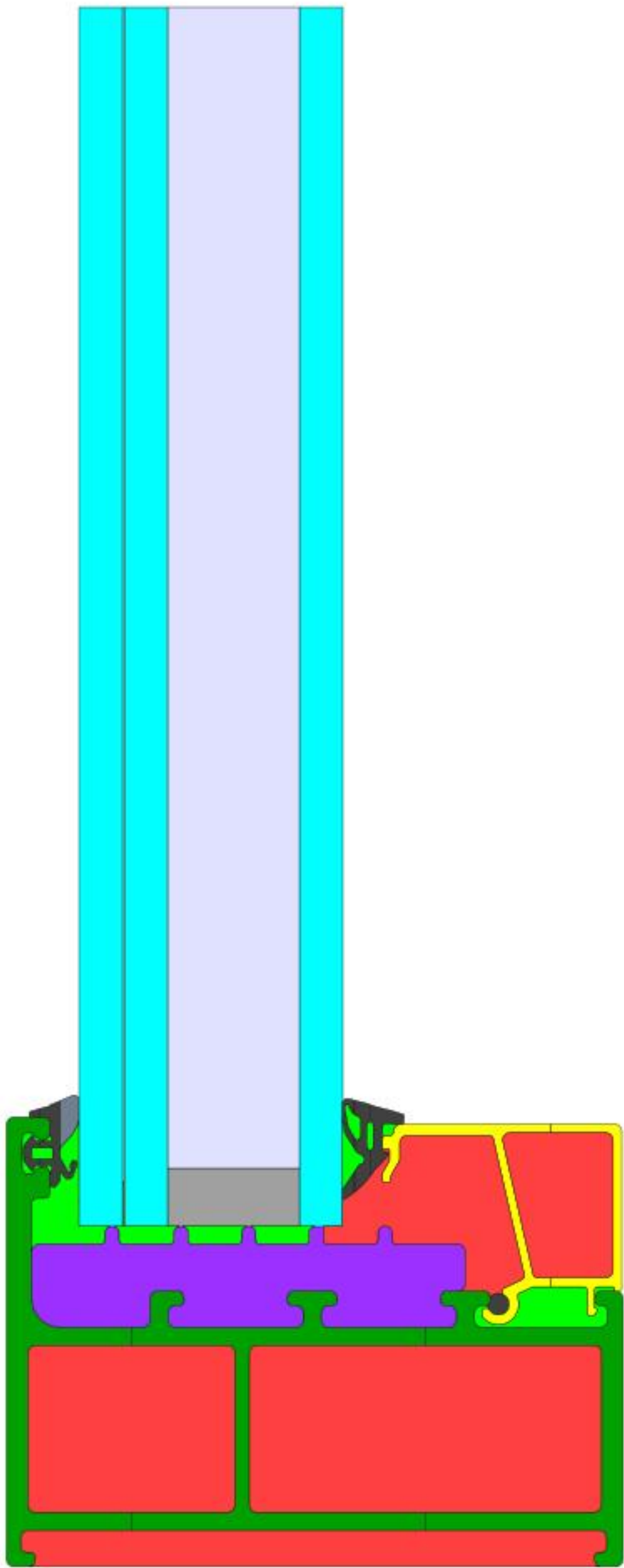
ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Aluminum glazing bead, k 160 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

GR85 fixed (flipped) · Sill | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 0.906 W/m²K over 64.0 mm | Edge U 0.799 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole window at 1200 x 1500 mm: KØLD 05 0.088 Btu/h·ft²·°F (R-11.4) · MILD 05 0.087 Btu/h·ft²·°F (R-11.5) · HEIT 05 0.087 Btu/h·ft²·°F (R-11.5)

Section and components

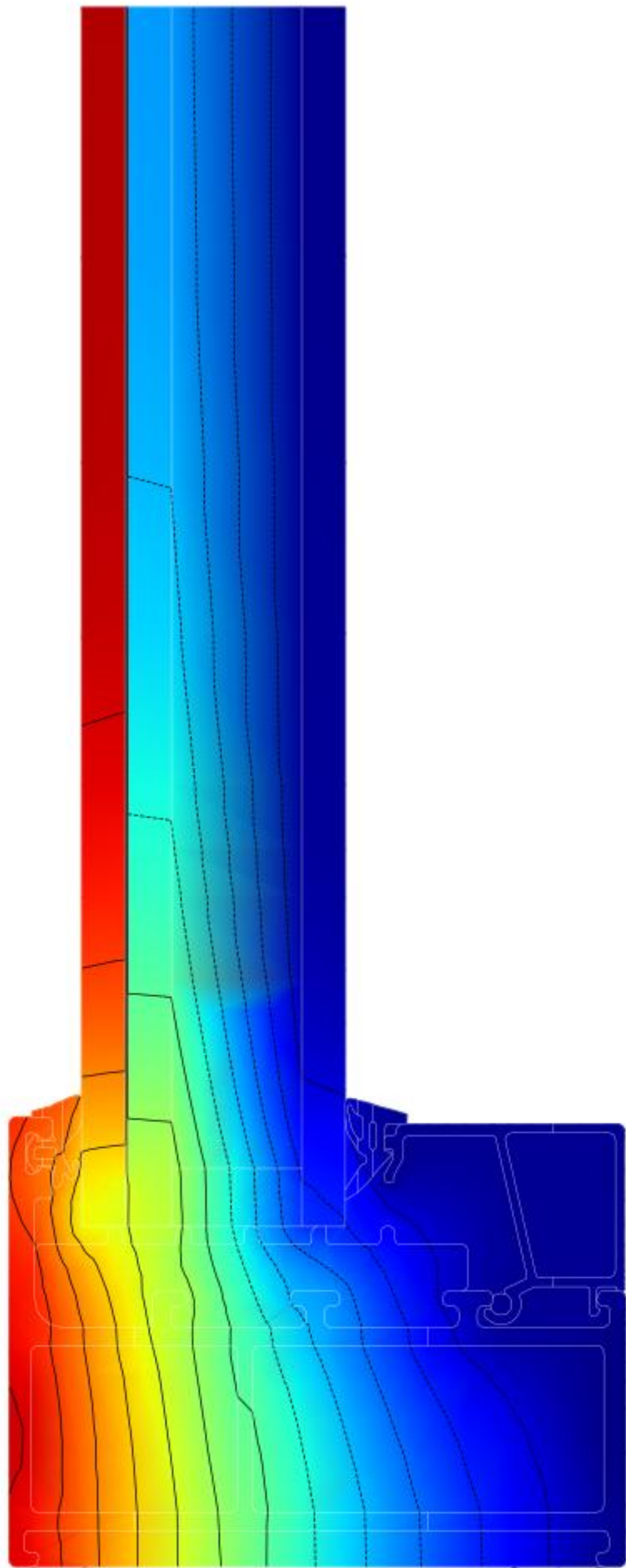


ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Fiberglass frame (GFRPU), k 0.114 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- PU foam (standard insert), k 0.024 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- Glass, outer lite (low-E #2), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K

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

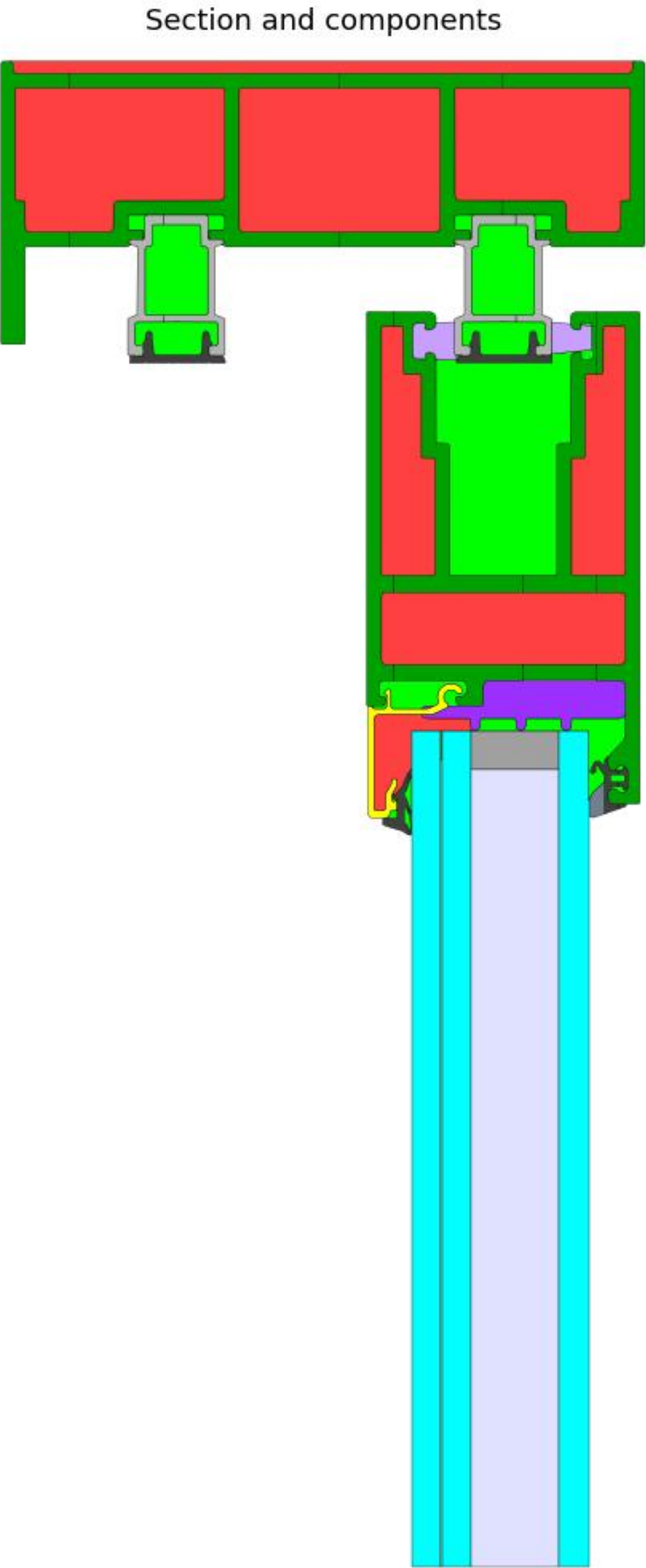


ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Aluminum glazing bead, k 160 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

GR132 lift-slide door (XX) · Head (exterior sash) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 1.604 W/m²K over 158.5 mm | Edge U 0.733 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.147 Btu/h·ft²·°F (R-6.8) · MILD 05 0.147 Btu/h·ft²·°F (R-6.8) · HEIT 05 0.147 Btu/h·ft²·°F (R-6.8)

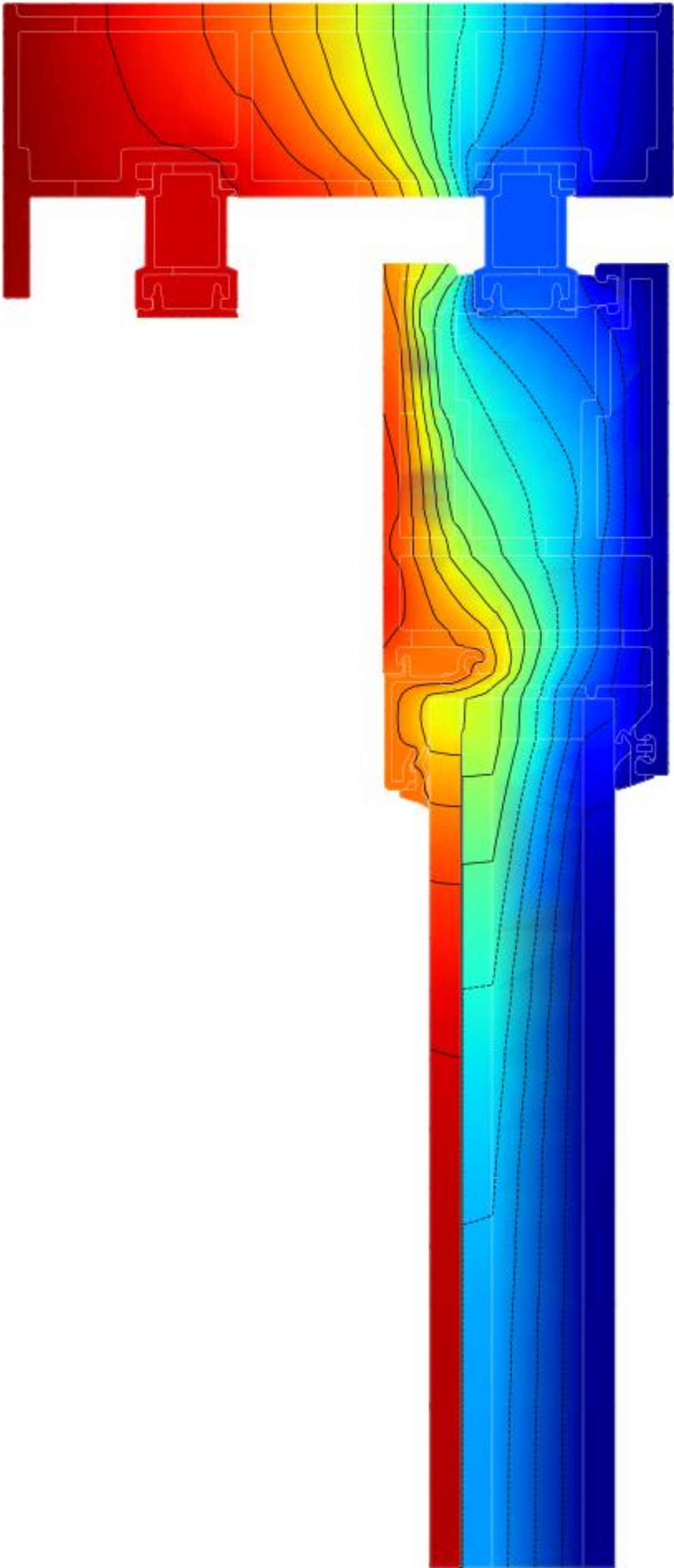


ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Aluminum glazing bead, k 160 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K

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

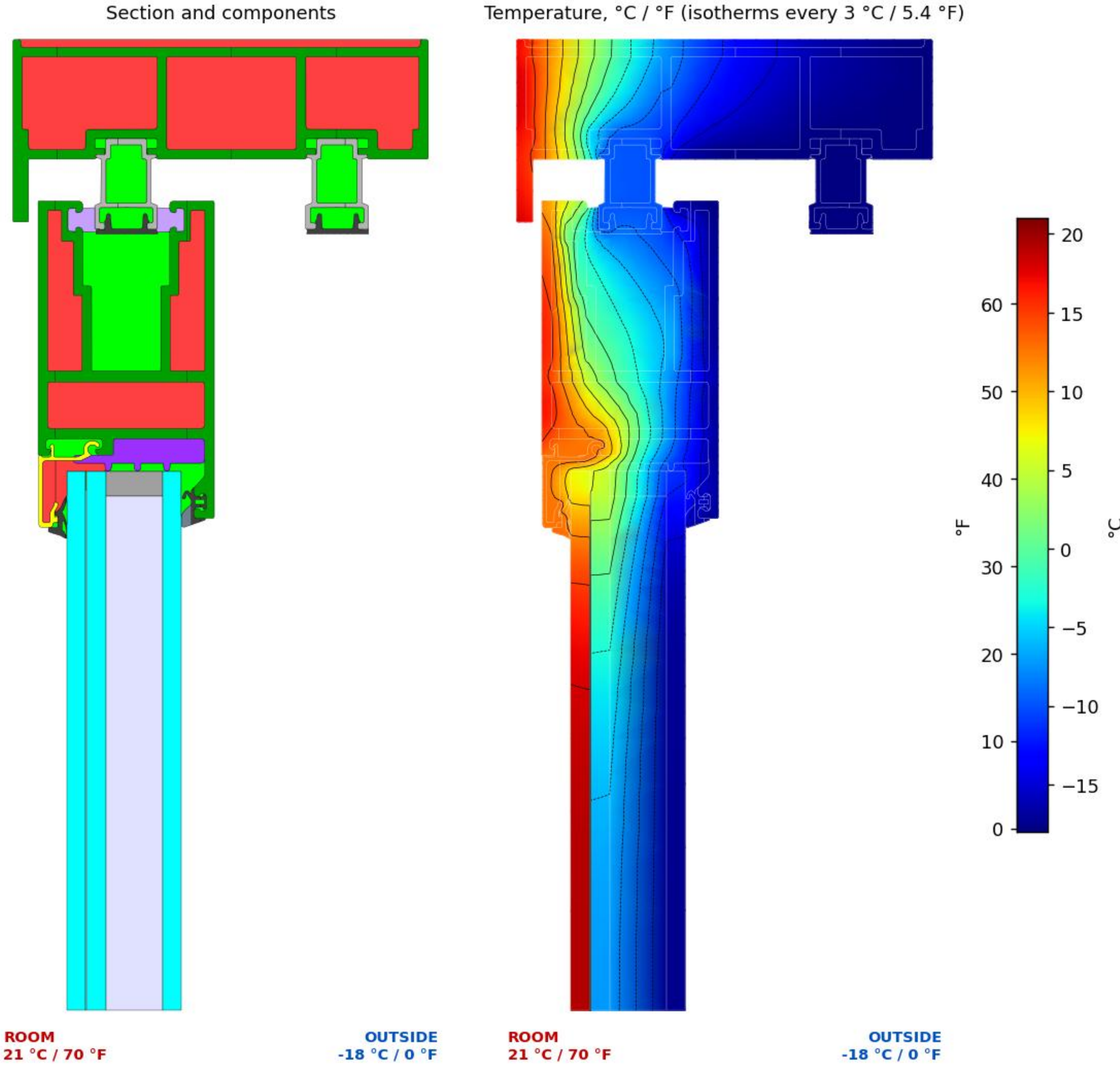


ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

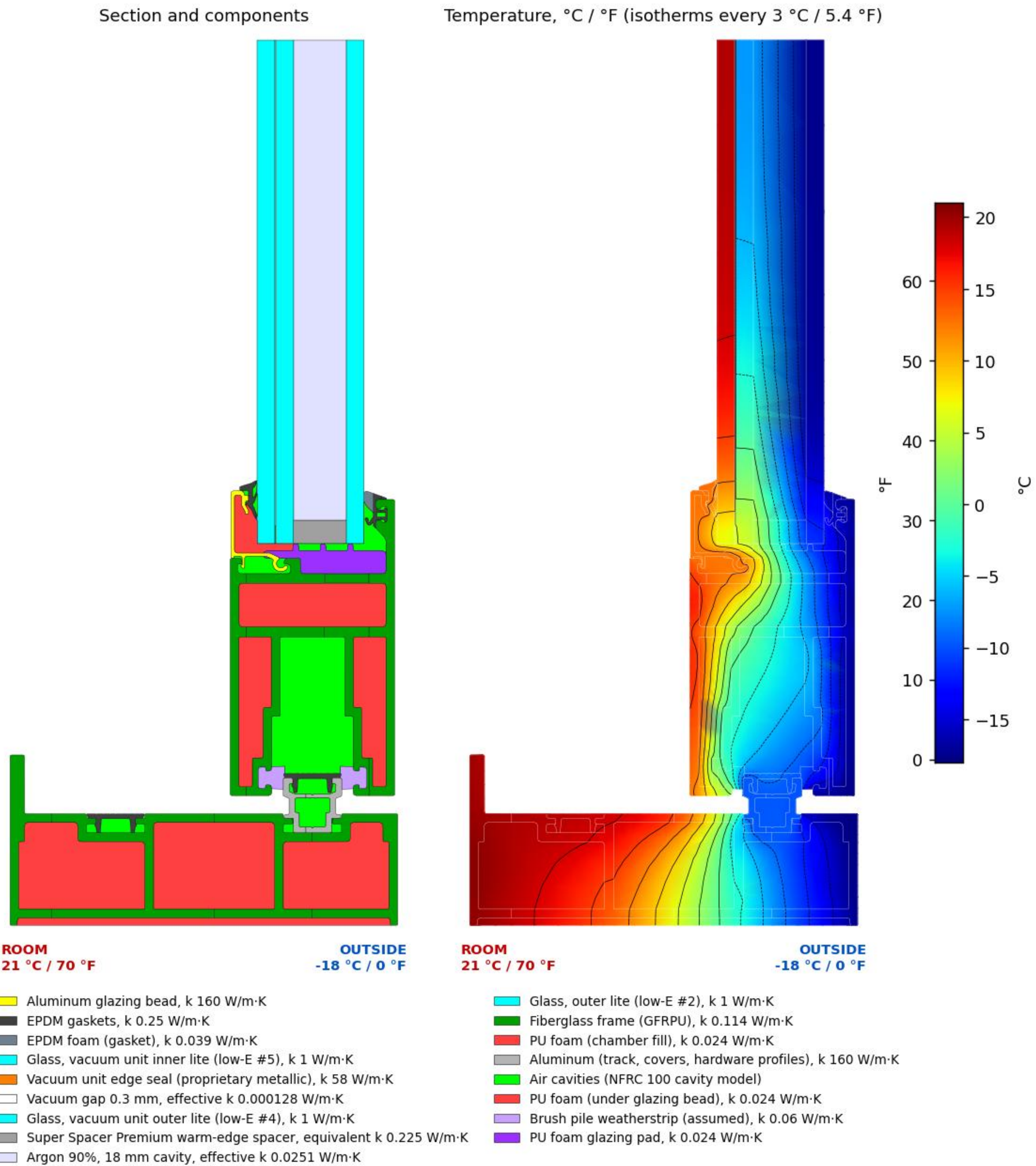
- Glass, outer lite (low-E #2), k 1 W/m·K
- Fiberglass frame (GFRPU), k 0.114 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- Aluminum (track, covers, hardware profiles), k 160 W/m·K
- Air cavities (NFRC 100 cavity model)
- Still air at small openings, k 0.025 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K
- Brush pile weatherstrip (assumed), k 0.06 W/m·K
- PU foam glazing pad, k 0.024 W/m·K

GR132 lift-slide door (XX) · Head (interior sash) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 1.620 W/m²K over 158.5 mm | Edge U 0.733 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.147 Btu/h·ft²·°F (R-6.8) · MILD 05 0.147 Btu/h·ft²·°F (R-6.8) · HEIT 05 0.147 Btu/h·ft²·°F (R-6.8)

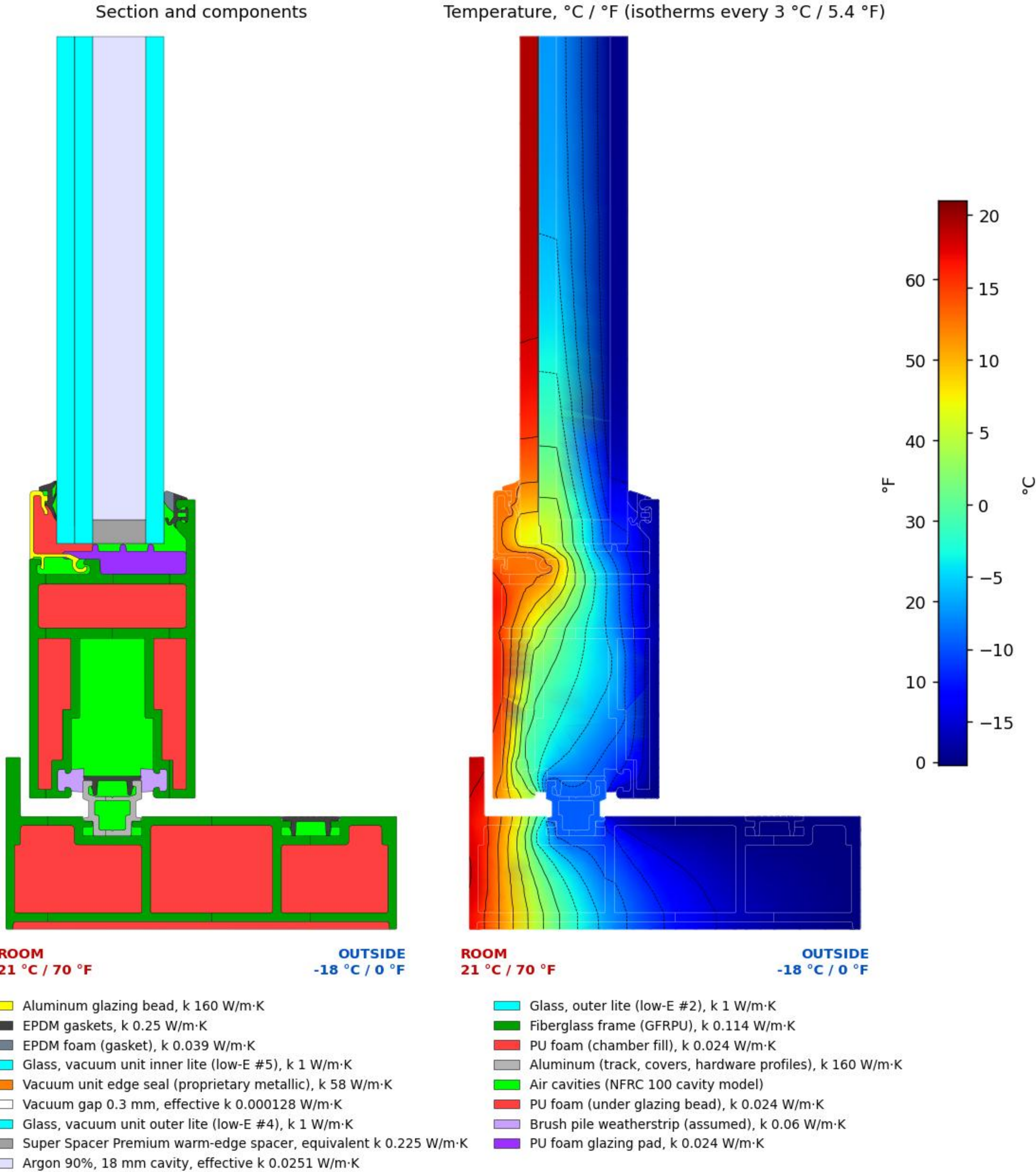


- Aluminum glazing bead, k 160 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K
- Fiberglass frame (GFRPU), k 0.114 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- Aluminum (track, covers, hardware profiles), k 160 W/m·K
- Still air at small openings, k 0.025 W/m·K
- Air cavities (NFRC 100 cavity model)
- PU foam (under glazing bead), k 0.024 W/m·K
- Brush pile weatherstrip (assumed), k 0.06 W/m·K
- PU foam glazing pad, k 0.024 W/m·K

GR132 lift-slide door (XX) · Jamb (exterior sash) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 1.471 W/m²K over 151.5 mm | Edge U 0.730 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.147 Btu/h·ft²·°F (R-6.8) · MILD 05 0.147 Btu/h·ft²·°F (R-6.8) · HEIT 05 0.147 Btu/h·ft²·°F (R-6.8)



GR132 lift-slide door (XX) · Jamb (interior sash) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 1.489 W/m²K over 151.4 mm | Edge U 0.733 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.147 Btu/h·ft²·°F (R-6.8) · MILD 05 0.147 Btu/h·ft²·°F (R-6.8) · HEIT 05 0.147 Btu/h·ft²·°F (R-6.8)

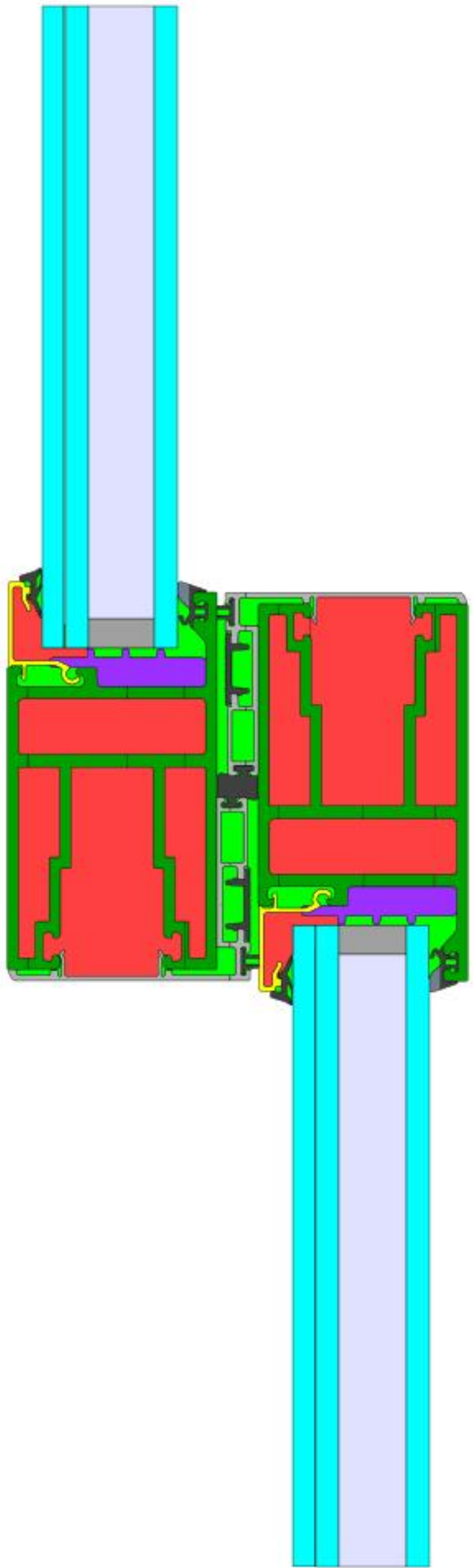


GR132 lift-slide door (XX) · Meeting (interlock) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 2.577 W/m²K over 116.7 mm | Edge U 0.758 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.147 Btu/h·ft²·°F (R-6.8) · MILD 05 0.147 Btu/h·ft²·°F (R-6.8) · HEIT 05 0.147 Btu/h·ft²·°F (R-6.8)

Section and components

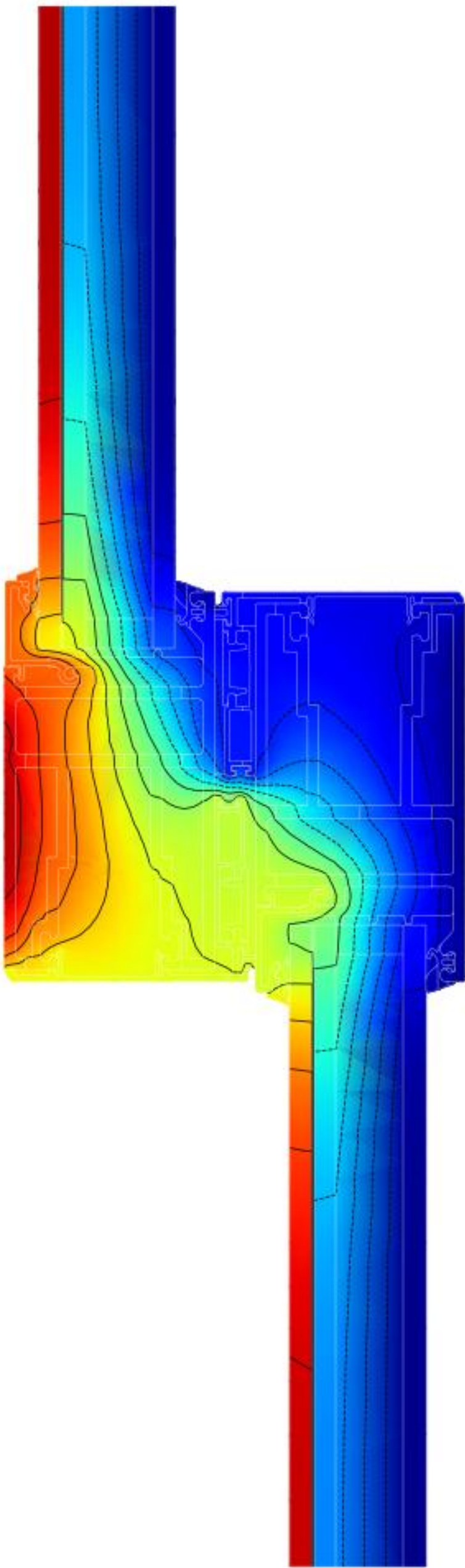


ROOM
21 °C / 70 °F

OUTSIDE
-18 °C / 0 °F

- Aluminum glazing bead, k 160 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K

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



ROOM
21 °C / 70 °F

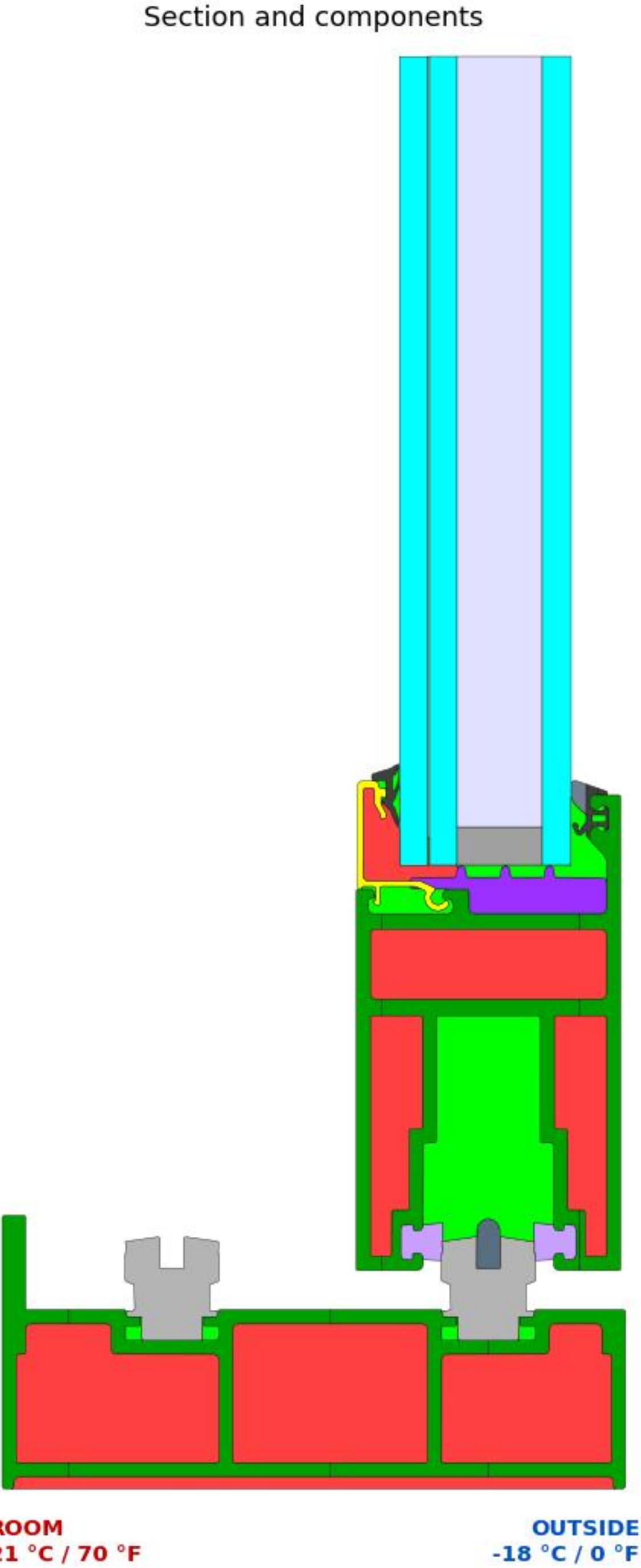
OUTSIDE
-18 °C / 0 °F

- Glass, outer lite (low-E #2), k 1 W/m·K
- Fiberglass frame (GFRPU), k 0.114 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- Aluminum (track, covers, hardware profiles), k 160 W/m·K
- Air cavities (NFRC 100 cavity model)
- Still air at small openings, k 0.025 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K
- PU foam glazing pad, k 0.024 W/m·K

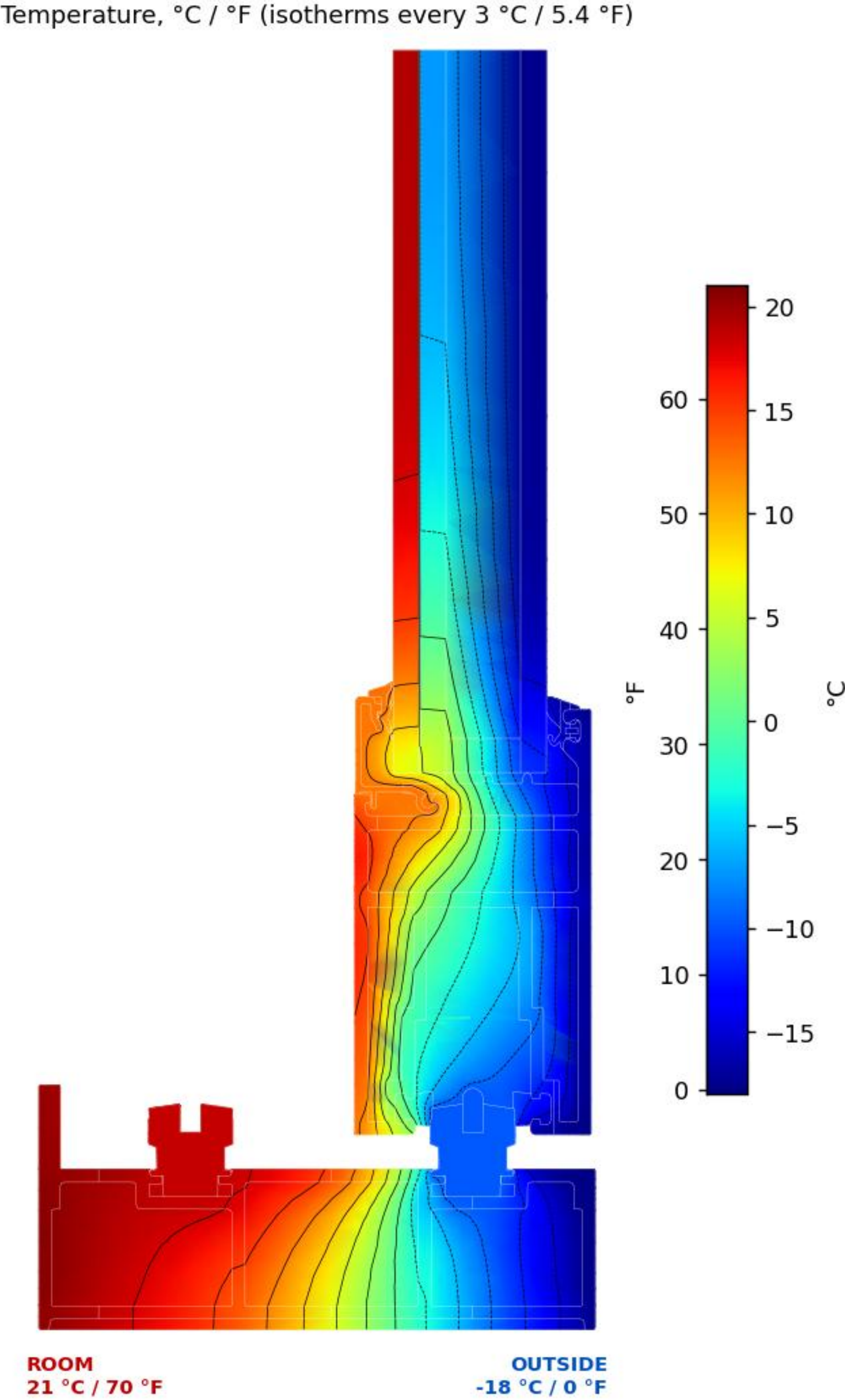
GR132 lift-slide door (XX) · Sill (exterior sash) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 1.501 W/m²K over 153.6 mm | Edge U 0.731 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.147 Btu/h·ft²·°F (R-6.8) · MILD 05 0.147 Btu/h·ft²·°F (R-6.8) · HEIT 05 0.147 Btu/h·ft²·°F (R-6.8)



- Aluminum glazing bead, k 160 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K

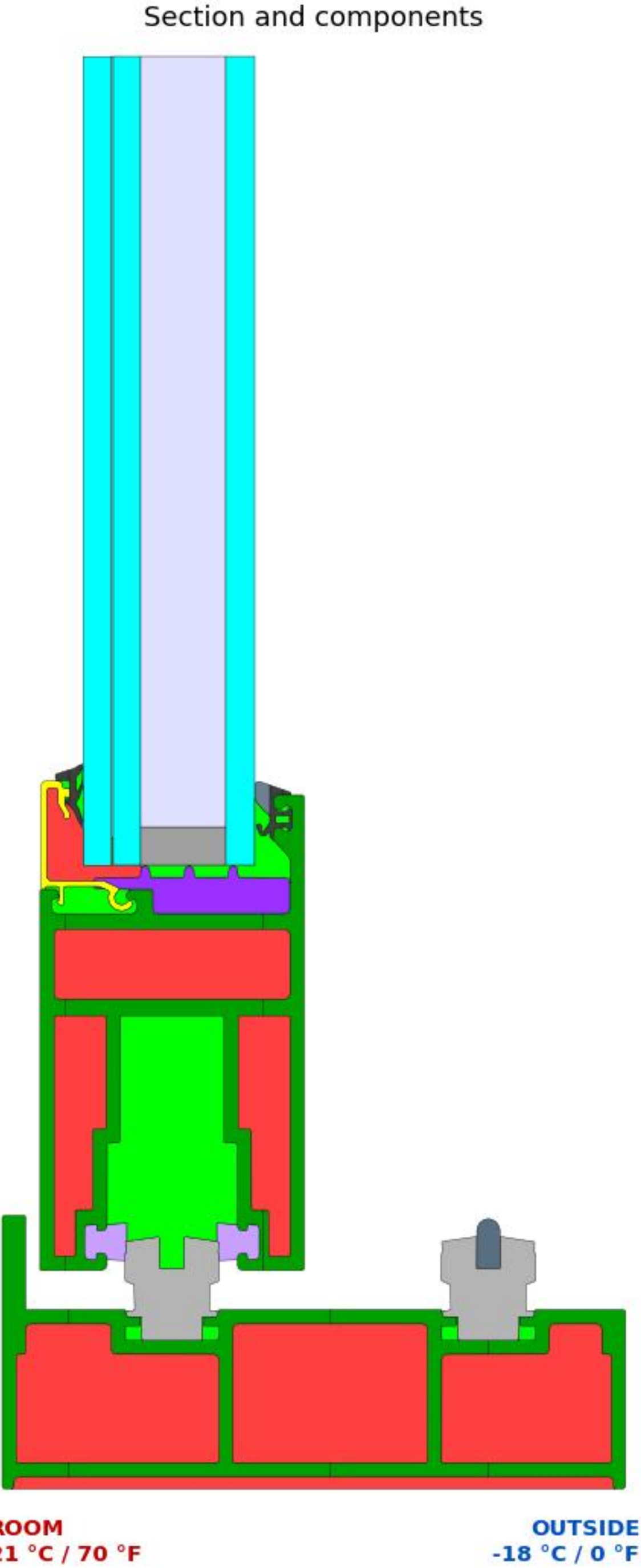
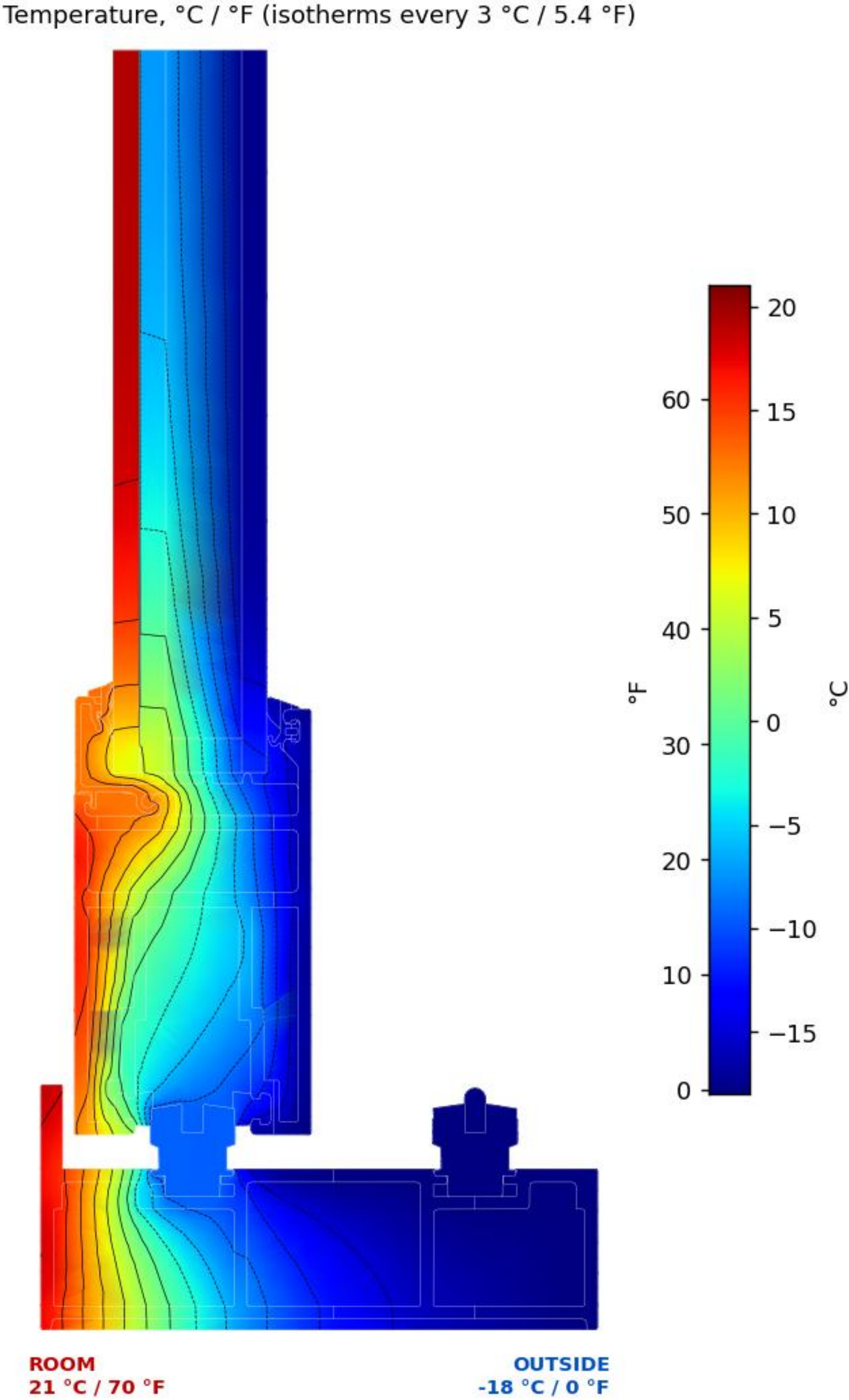


- Fiberglass frame (GFRPU), k 0.114 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- Aluminum (track, covers, hardware profiles), k 160 W/m·K
- Steel guide rail, k 50 W/m·K
- Brush pile weatherstrip (assumed), k 0.06 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- Still air at small openings, k 0.025 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

GR132 lift-slide door (XX) · Sill (interior sash) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 1.529 W/m²K over 153.6 mm | Edge U 0.732 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.147 Btu/h·ft²·°F (R-6.8) · MILD 05 0.147 Btu/h·ft²·°F (R-6.8) · HEIT 05 0.147 Btu/h·ft²·°F (R-6.8)



- Aluminum glazing bead, k 160 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K

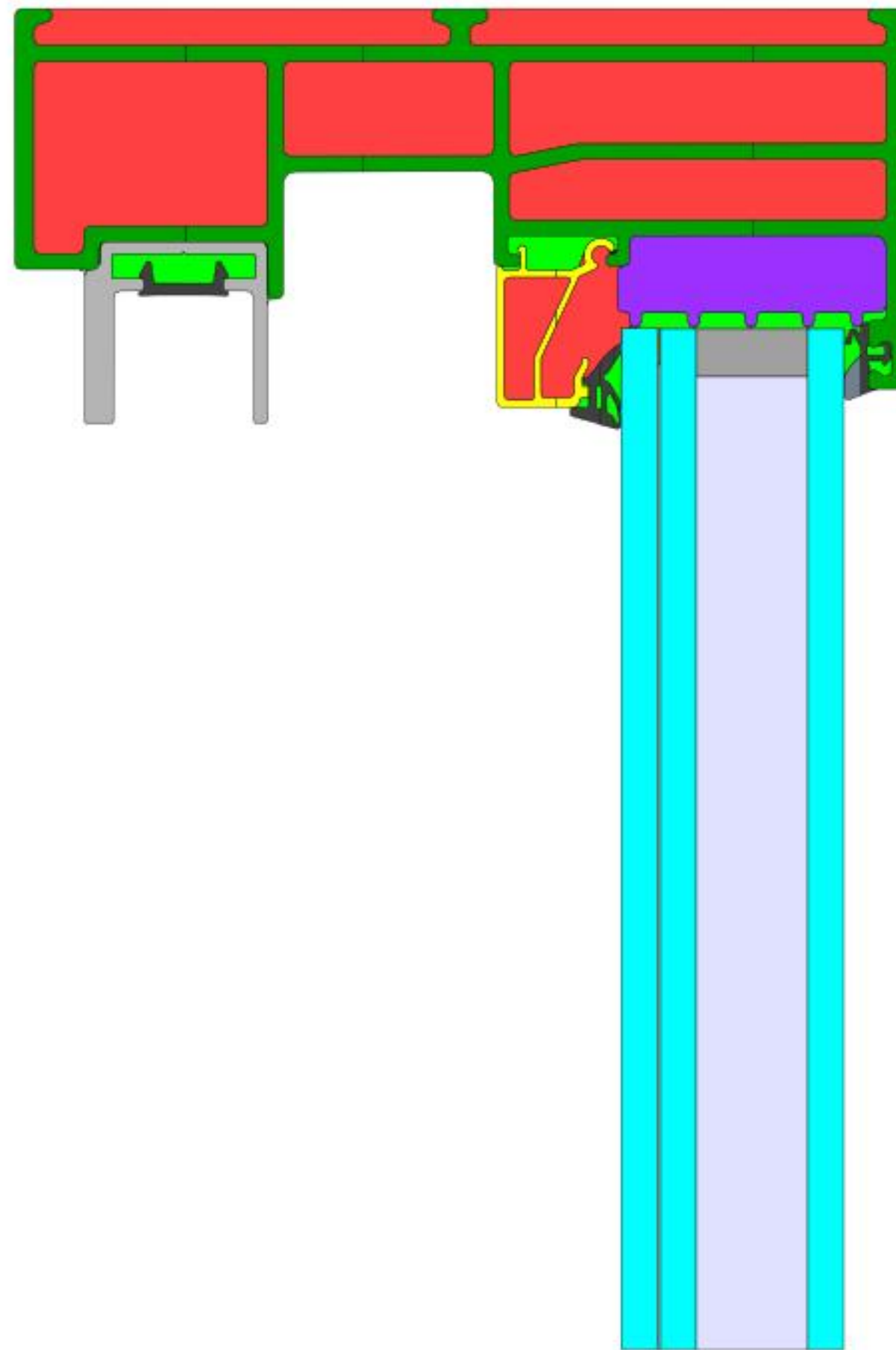
- Fiberglass frame (GFRPU), k 0.114 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- Aluminum (track, covers, hardware profiles), k 160 W/m·K
- Steel guide rail, k 50 W/m·K
- Brush pile weatherstrip (assumed), k 0.06 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- Still air at small openings, k 0.025 W/m·K
- Air cavities (NFRC 100 cavity model)
- PU foam (under glazing bead), k 0.024 W/m·K

GR145 sliding door (fixed + sliding, XO) · Head (fixed panel) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 0.988 W/m²K over 68.4 mm | Edge U 0.774 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.118 Btu/h·ft²·°F (R-8.5) · MILD 05 0.117 Btu/h·ft²·°F (R-8.5) · HEIT 05 0.117 Btu/h·ft²·°F (R-8.5)

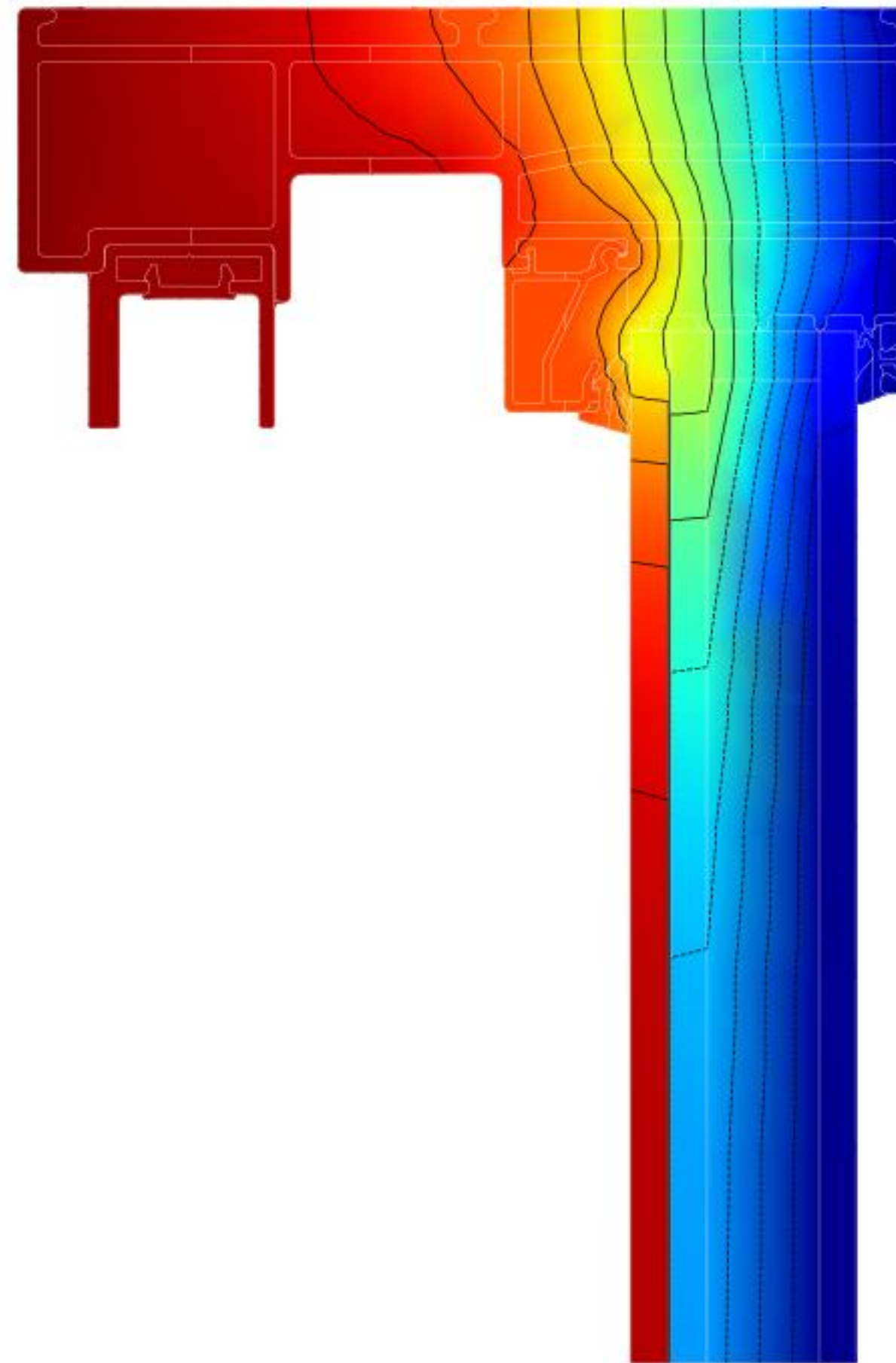
Section and components



ROOM
21 °C / 70 °F

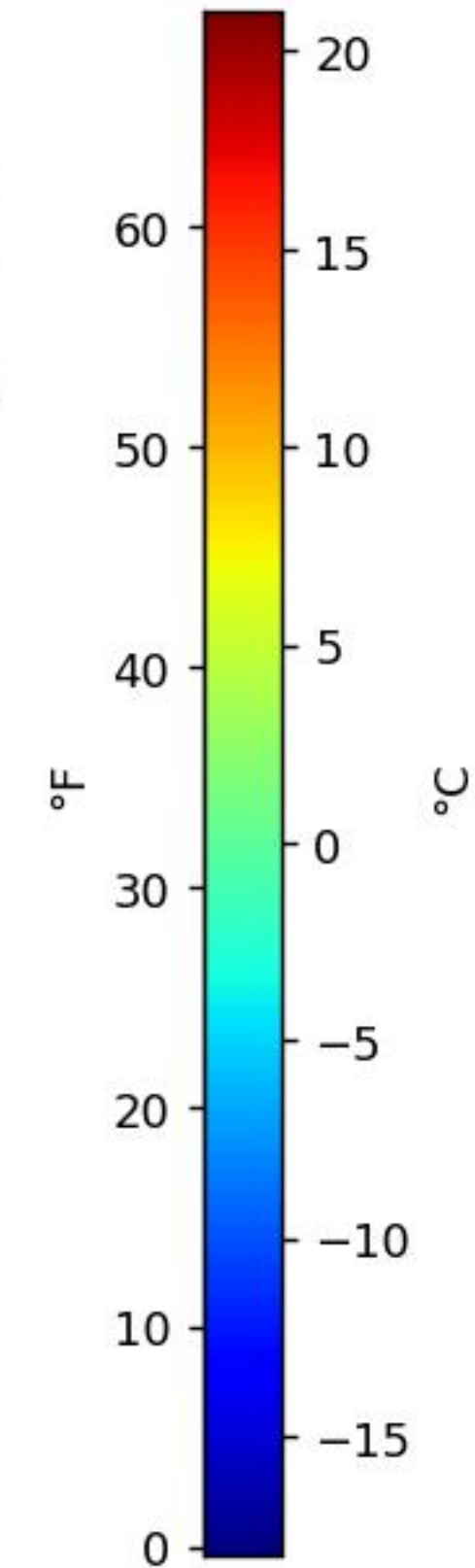
OUTSIDE
-18 °C / 0 °F

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



ROOM
21 °C / 70 °F

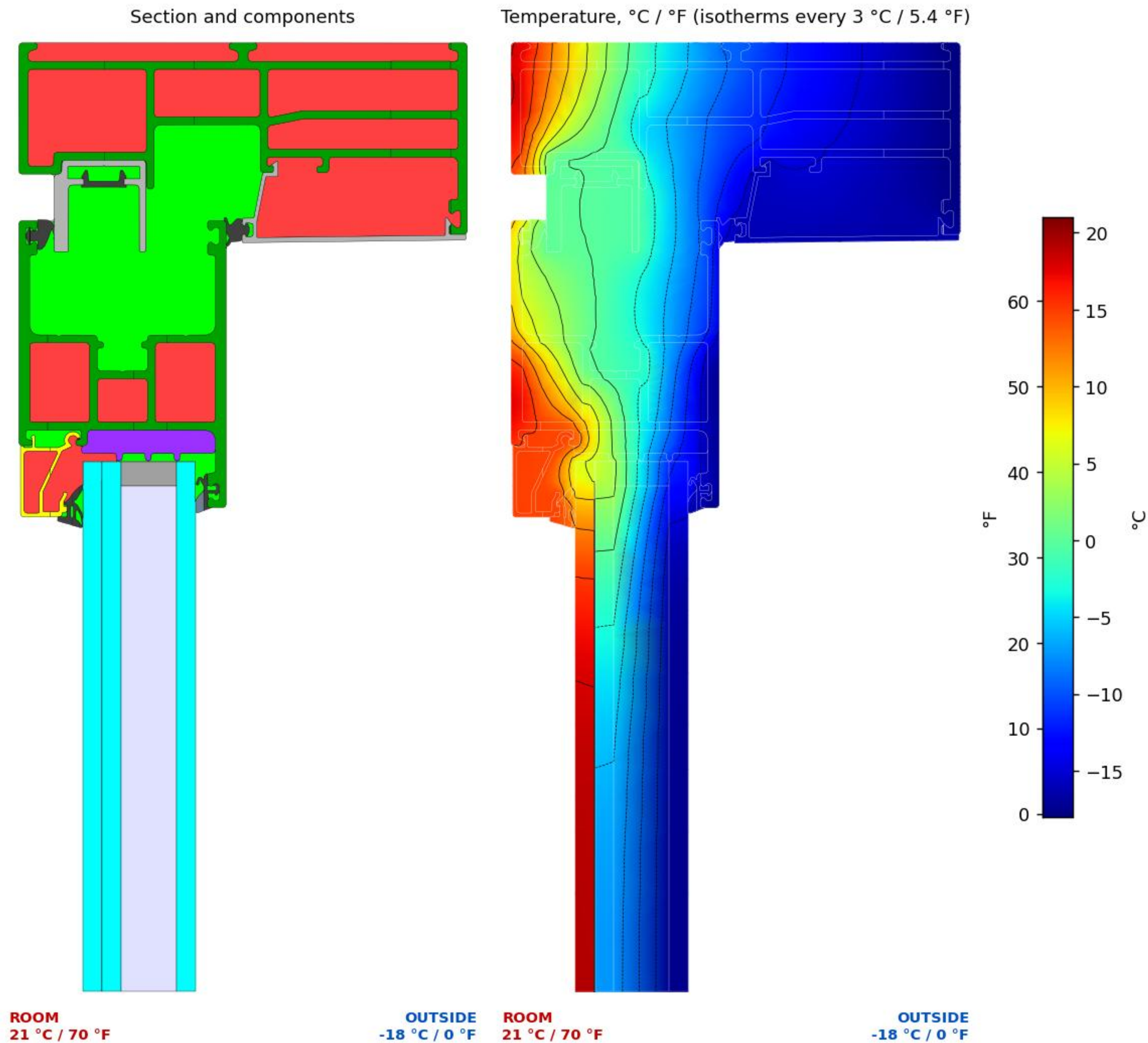
OUTSIDE
-18 °C / 0 °F



- Aluminum glazing bead, k 160 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K

- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K
- Fiberglass frame (GFRPU), k 0.114 W/m·K
- Aluminum (track, covers, hardware profiles), k 160 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- Still air at small openings, k 0.025 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

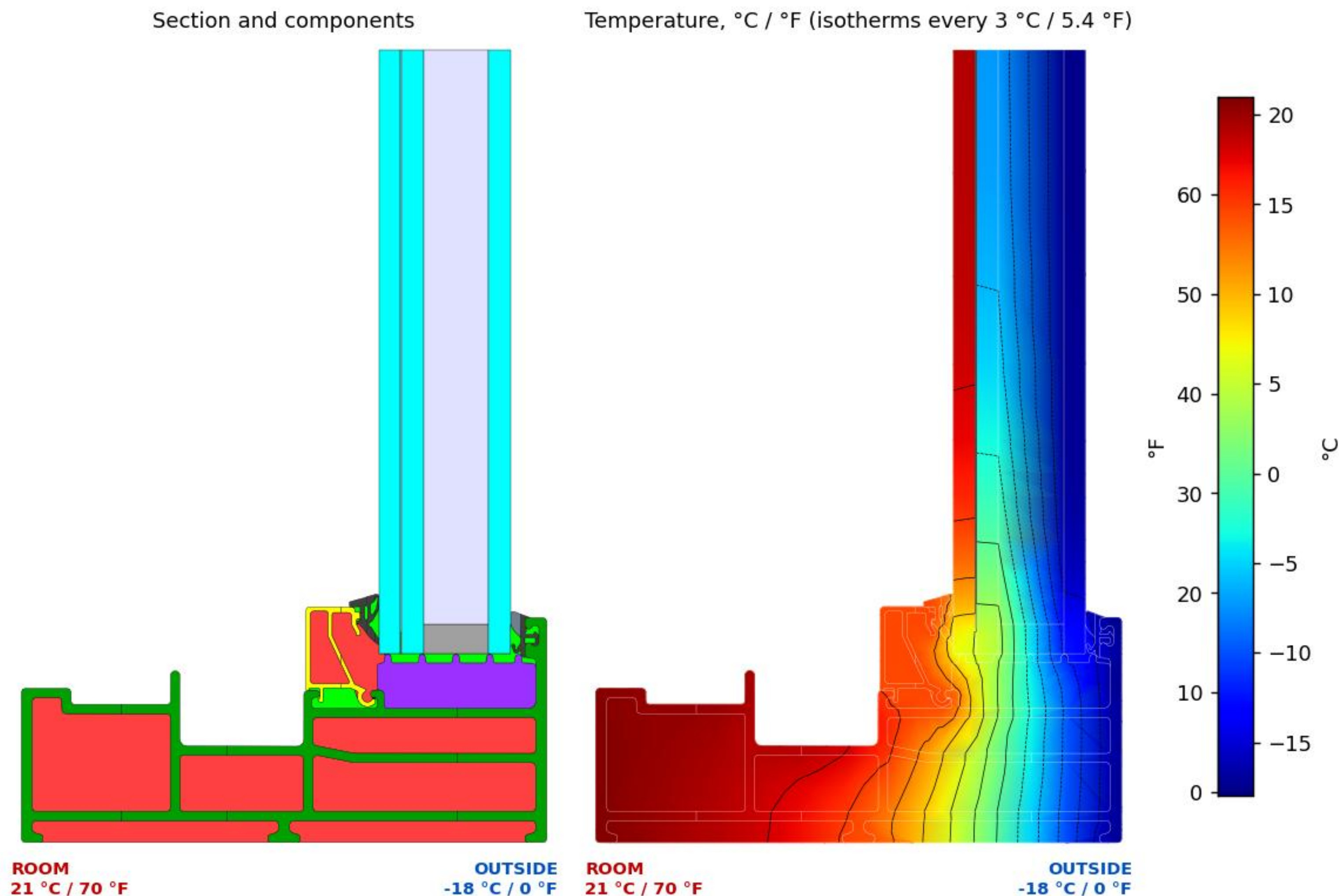
GR145 sliding door (fixed + sliding, XO) · Head (sliding panel) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 1.715 W/m²K over 156.7 mm | Edge U 0.727 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.118 Btu/h·ft²·°F (R-8.5) · MILD 05 0.117 Btu/h·ft²·°F (R-8.5) · HEIT 05 0.117 Btu/h·ft²·°F (R-8.5)



- Aluminum glazing bead, k 160 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K

- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K
- Fiberglass frame (GFRPU), k 0.114 W/m·K
- Aluminum (track, covers, hardware profiles), k 160 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- Still air at small openings, k 0.025 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

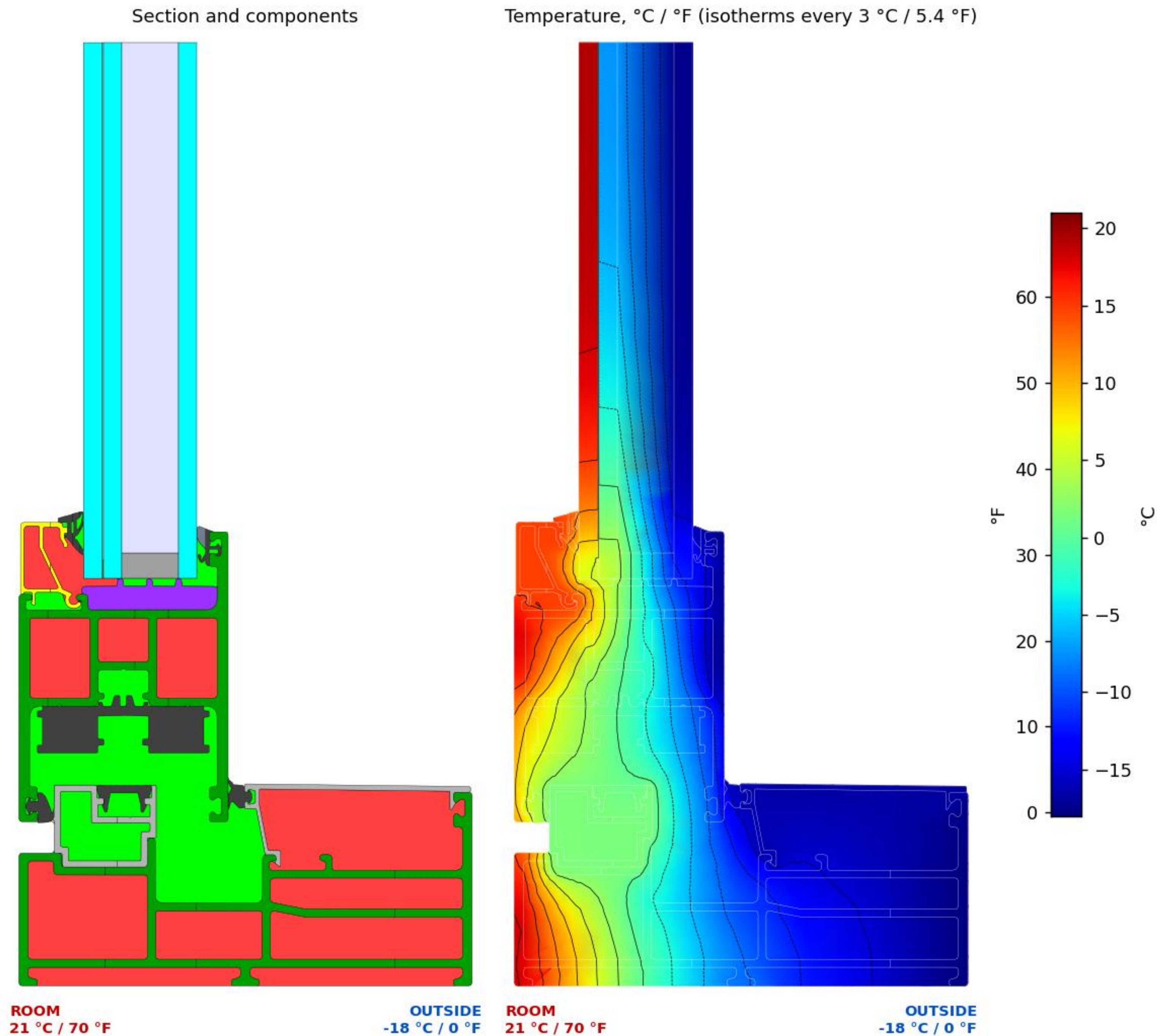
GR145 sliding door (fixed + sliding, XO) · Jamb (fixed panel) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
 Frame U 0.995 W/m²K over 68.5 mm | Edge U 0.778 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
 Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.118 Btu/h·ft²·°F (R-8.5) · MILD 05 0.117 Btu/h·ft²·°F (R-8.5) · HEIT 05 0.117 Btu/h·ft²·°F (R-8.5)



- Aluminum glazing bead, k 160 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K

- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K
- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K
- Fiberglass frame (GFRPU), k 0.114 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- PU foam (under glazing bead), k 0.024 W/m·K

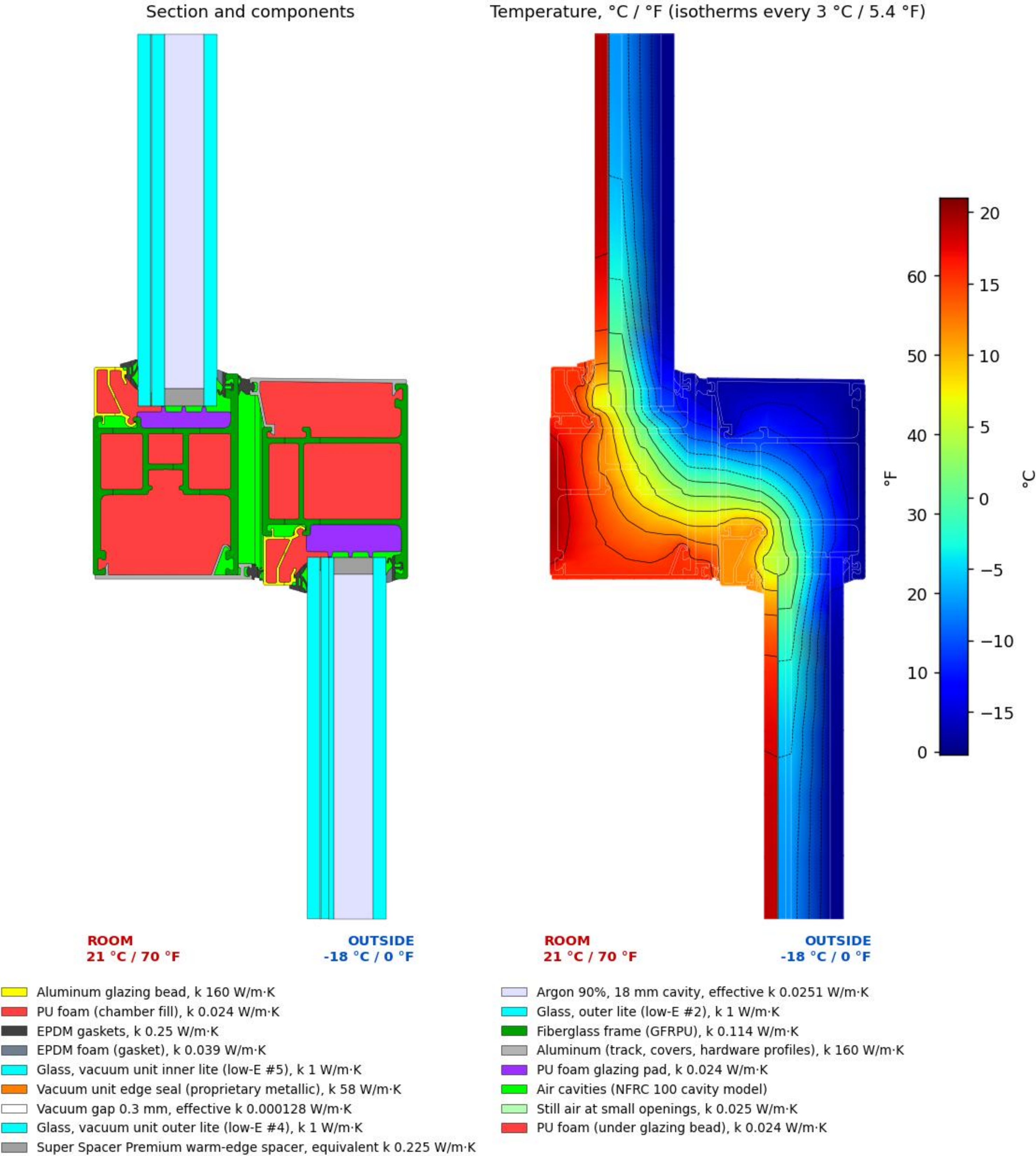
GR145 sliding door (fixed + sliding, XO) · Jamb (sliding panel) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
 Frame U 1.526 W/m²K over 151.8 mm | Edge U 0.727 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
 Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.118 Btu/h·ft²·°F (R-8.5) · MILD 05 0.117 Btu/h·ft²·°F (R-8.5) · HEIT 05 0.117 Btu/h·ft²·°F (R-8.5)



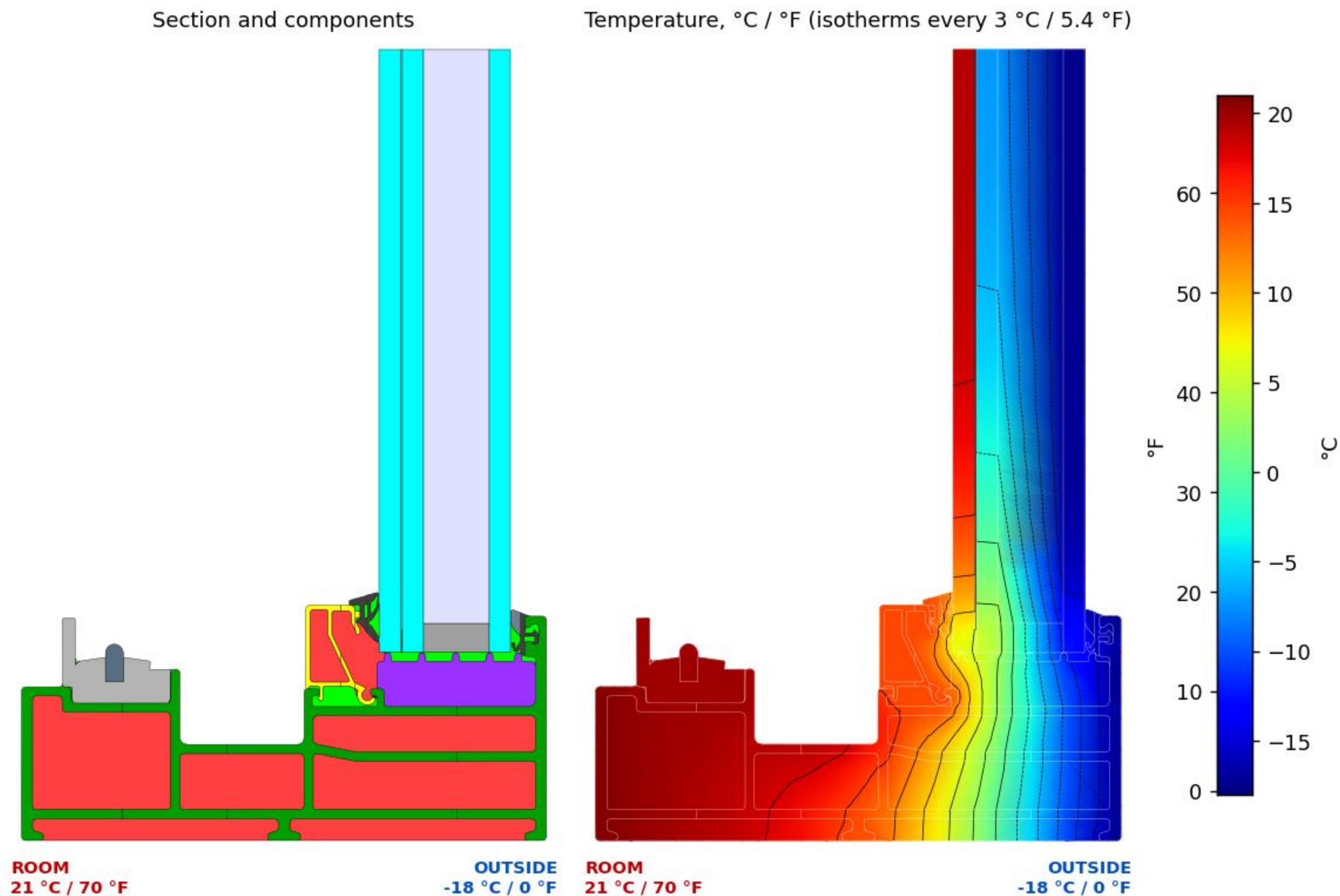
- Aluminum glazing bead, k 160 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K

- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K
- Fiberglass frame (GFRPU), k 0.114 W/m·K
- Aluminum (track, covers, hardware profiles), k 160 W/m·K
- Air cavities (NFRC 100 cavity model)
- Still air at small openings, k 0.025 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K
- PU foam glazing pad, k 0.024 W/m·K

GR145 sliding door (fixed + sliding, XO) · Meeting (interlock) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
Frame U 1.617 W/m²K over 107.5 mm | Edge U 0.753 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.118 Btu/h·ft²·°F (R-8.5) · MILD 05 0.117 Btu/h·ft²·°F (R-8.5) · HEIT 05 0.117 Btu/h·ft²·°F (R-8.5)



GR145 sliding door (fixed + sliding, XO) · Sill (fixed panel) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)
 Frame U 0.993 W/m²K over 68.5 mm | Edge U 0.776 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)
 Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.118 Btu/h·ft²·°F (R-8.5) · MILD 05 0.117 Btu/h·ft²·°F (R-8.5) · HEIT 05 0.117 Btu/h·ft²·°F (R-8.5)



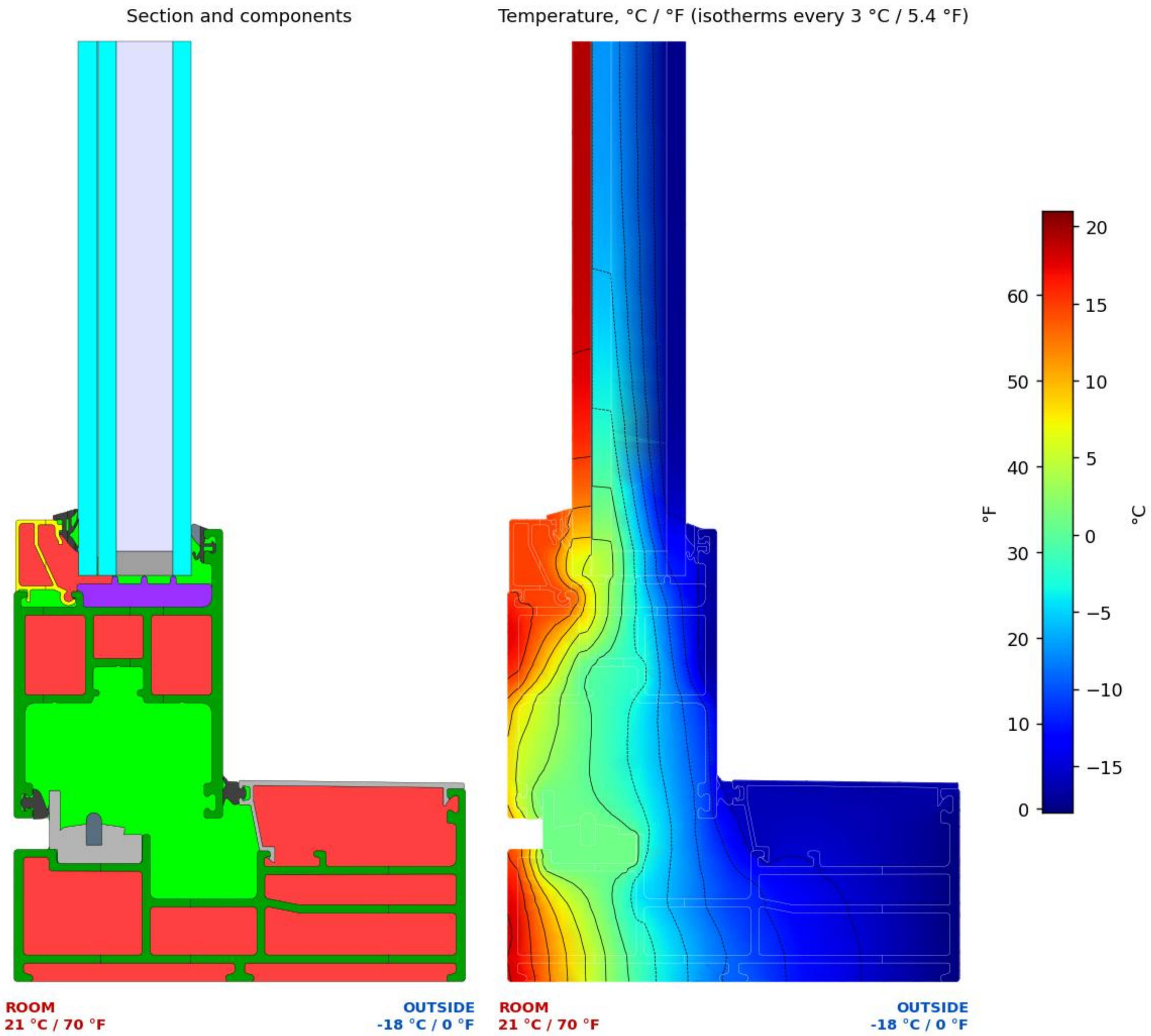
- Aluminum glazing bead, k 160 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K

- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K
- Fiberglass frame (GFRPU), k 0.114 W/m·K
- Aluminum (track, covers, hardware profiles), k 160 W/m·K
- Steel guide rail, k 50 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- Still air at small openings, k 0.025 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K

GR145 sliding door (fixed + sliding, XO) · Sill (sliding panel) | ZERO 05 hybrid vacuum glazing, Super Spacer Premium + argon (18 mm)

Frame U 1.622 W/m²K over 151.8 mm | Edge U 0.728 W/m²K | THERM 8.1, NFRC 100 (-18 °C / 21 °C = 0 °F / 70 °F)

Whole door, two panels at 2000 x 2000 mm: KØLD 05 0.118 Btu/h·ft²·°F (R-8.5) · MILD 05 0.117 Btu/h·ft²·°F (R-8.5) · HEIT 05 0.117 Btu/h·ft²·°F (R-8.5)



- Aluminum glazing bead, k 160 W/m·K
- PU foam (chamber fill), k 0.024 W/m·K
- EPDM gaskets, k 0.25 W/m·K
- EPDM foam (gasket), k 0.039 W/m·K
- Glass, vacuum unit inner lite (low-E #5), k 1 W/m·K
- Vacuum unit edge seal (proprietary metallic), k 58 W/m·K
- Vacuum gap 0.3 mm, effective k 0.000128 W/m·K
- Glass, vacuum unit outer lite (low-E #4), k 1 W/m·K
- Super Spacer Premium warm-edge spacer, equivalent k 0.225 W/m·K

- Argon 90%, 18 mm cavity, effective k 0.0251 W/m·K
- Glass, outer lite (low-E #2), k 1 W/m·K
- Fiberglass frame (GFRPU), k 0.114 W/m·K
- Aluminum (track, covers, hardware profiles), k 160 W/m·K
- Steel guide rail, k 50 W/m·K
- PU foam glazing pad, k 0.024 W/m·K
- Air cavities (NFRC 100 cavity model)
- Still air at small openings, k 0.025 W/m·K
- PU foam (under glazing bead), k 0.024 W/m·K