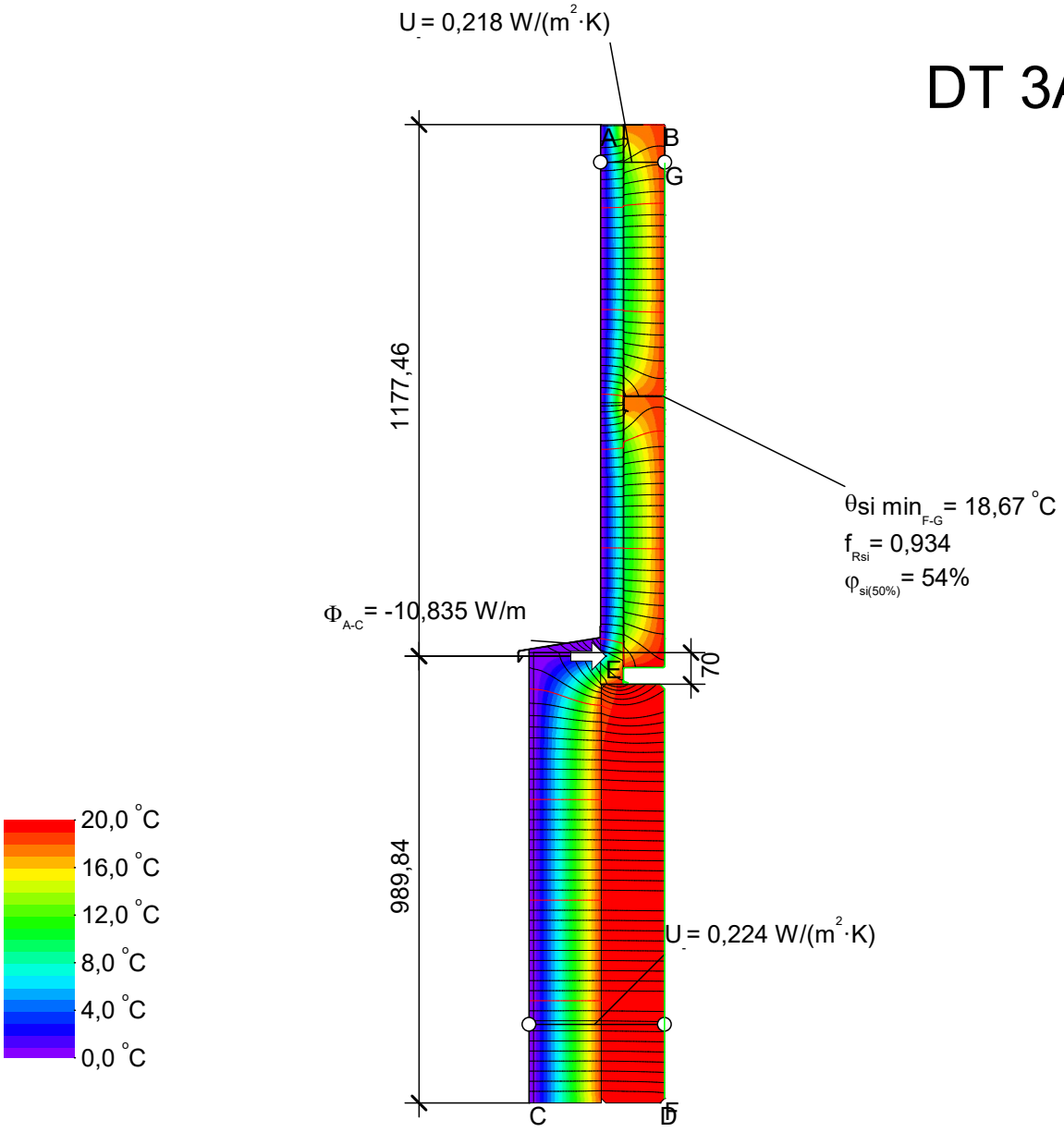
DT 3A.1.1



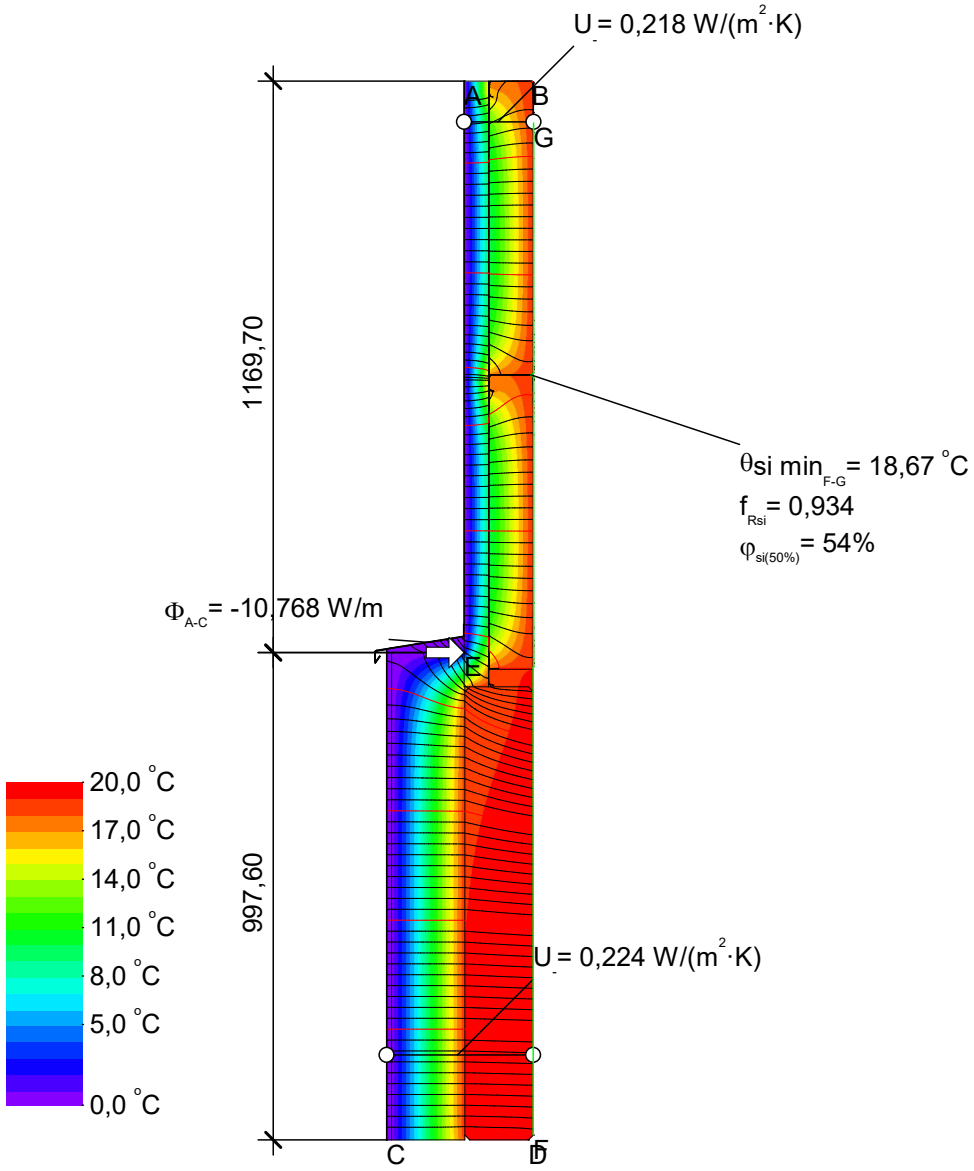
$$\psi_{A\text{-}E\text{-}C} = \frac{\Phi}{\Delta T} - U_1 \cdot b_1 - U_2 \cdot b_2 = \frac{10{,}835}{20{,}000} - 0{,}218 \cdot 1{,}177 - 0{,}224 \cdot 0{,}990 = 0{,}063 \text{ W/(m·K)}$$

Material	λ[W/(m·K)]	ε
Concrete, medium density 2200 kg/m3	1,650	0,900
Foamglas® - 0,036W/mK - Type T3+	0,036	0,900
PUR	0,023	0,900
Slightly ventilated air cavity **		
Steel	50,000	0,900
Undefined Material	0,010	0,900
Unventilated air cavity **		
minerale wol	0,040	0,900
trespa	0,300	0,900

** EN ISO 10077-2:2017, 6.4.3/anisotrop

Boundary Condition	q[W/m²]	θ[°C]	R[(m²·K)/W]	ε
Epsilon 0.9				0,900
Exterior, normal		0,000	0,040	
Interior, normal, horizontal		20,000	0,130	
Symmetry/Model section	0,000			

DT 3A.1.2



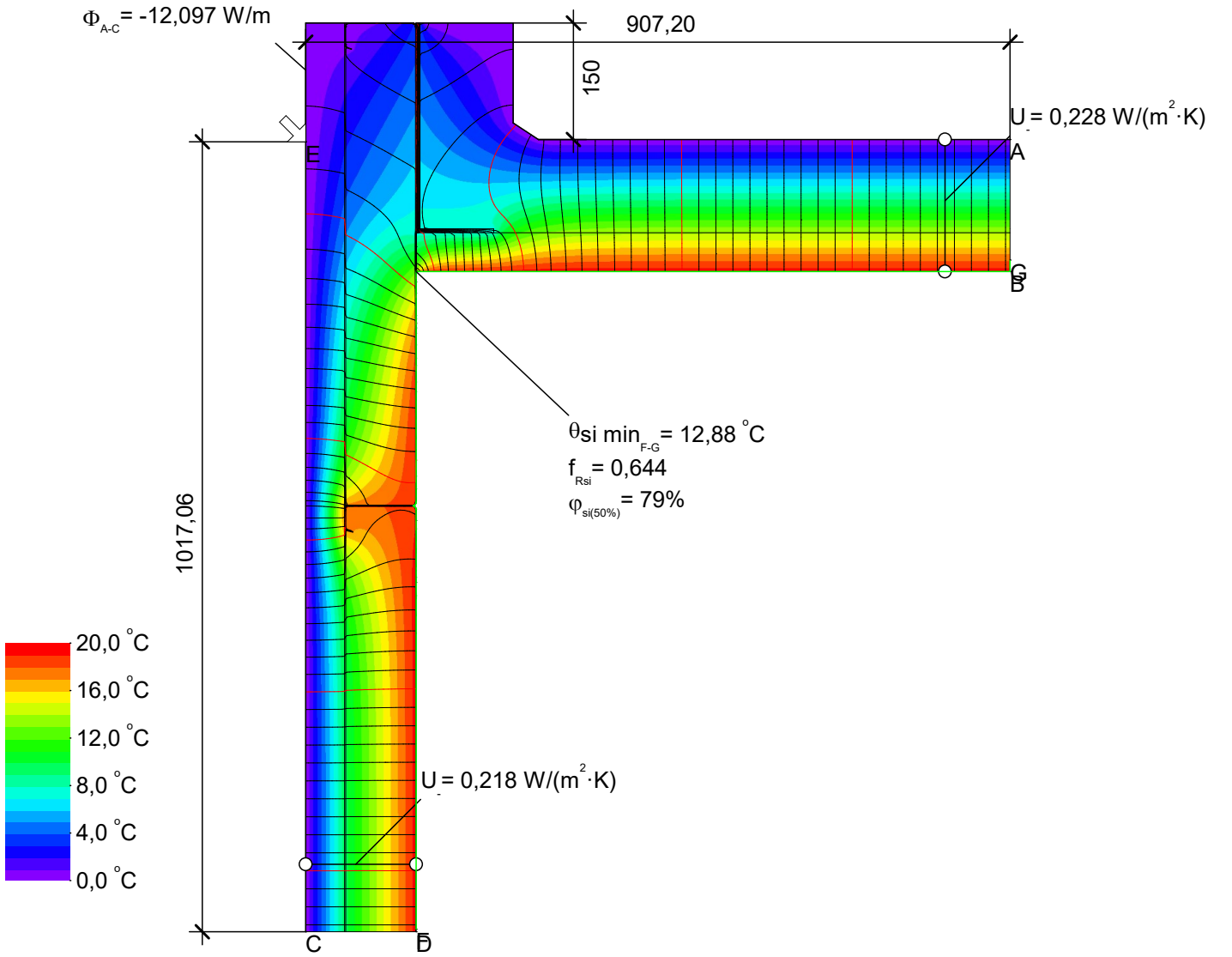
$$\psi_{A\text{-}E\text{-}C} = \frac{\Phi}{\Delta T} - U_1 \cdot b_1 - U_2 \cdot b_2 = \frac{10{,}768}{20{,}000} - 0{,}218 \cdot 1{,}170 - 0{,}224 \cdot 0{,}998 = 0{,}060 \text{ W/(m·K)}$$

Material	λ[W/(m·K)]	ε
Concrete, medium density 2200 kg/m3	1,650	0,900
Foamglas® - 0,036W/mK - Type T3+	0,036	0,900
PU schuim	0,026	0,900
PUR	0,023	0,900
Slightly ventilated air cavity **		
Steel	50,000	0,900
Undefined Material	0,010	0,900
Unventilated air cavity **		
minerale wol	0,040	0,900
trespa	0,300	0,900

** EN ISO 10077-2:2017, 6.4.3/anisotrop

Boundary Condition	q[W/m²]	θ[°C]	R[(m²·K)/W]	ε
Epsilon 0.9				0,900
Exterior, normal		0,000	0,040	
Interior, normal, horizontal		20,000	0,130	
Symmetry/Model section	0,000			

DT 3A.2.1



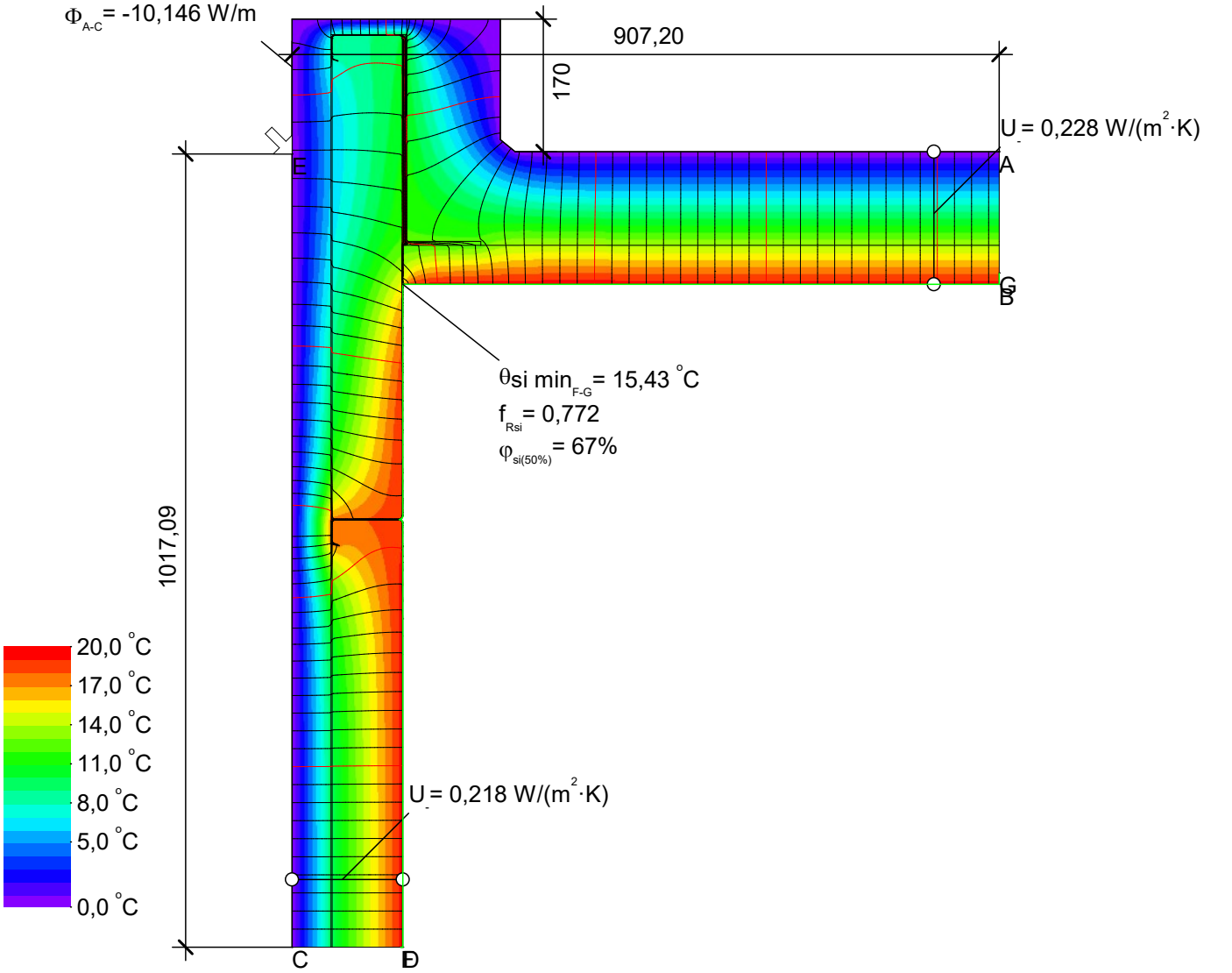
$$\psi_{A-E-C} = \frac{\Phi}{\Delta T} - U_1 \cdot b_1 - U_2 \cdot b_2 = \frac{12{,}097}{20{,}000} - 0{,}228 \cdot 0{,}907 - 0{,}218 \cdot 1{,}017 = 0{,}177\ W/(m \cdot K)$$

Material	λ[W/(m·K)]	ε
PUR	0,023	0,900
Steel	50,000	0,900
Unventilated air cavity **		
minerale wol	0,040	0,900
rotswol	0,040	0,900

** EN ISO 10077-2:2017, 6.4.3/anisotrop

Boundary Condition	q[W/m²]	θ[°C]	R[(m²·K)/W]	ε
Epsilon 0.9				0,900
Exterior, normal		0,000	0,040	
Interior, heat flux, upwards		20,000	0,100	
Interior, normal, horizontal		20,000	0,130	
Symmetry/Model section	0,000			

DT 3A.2.2



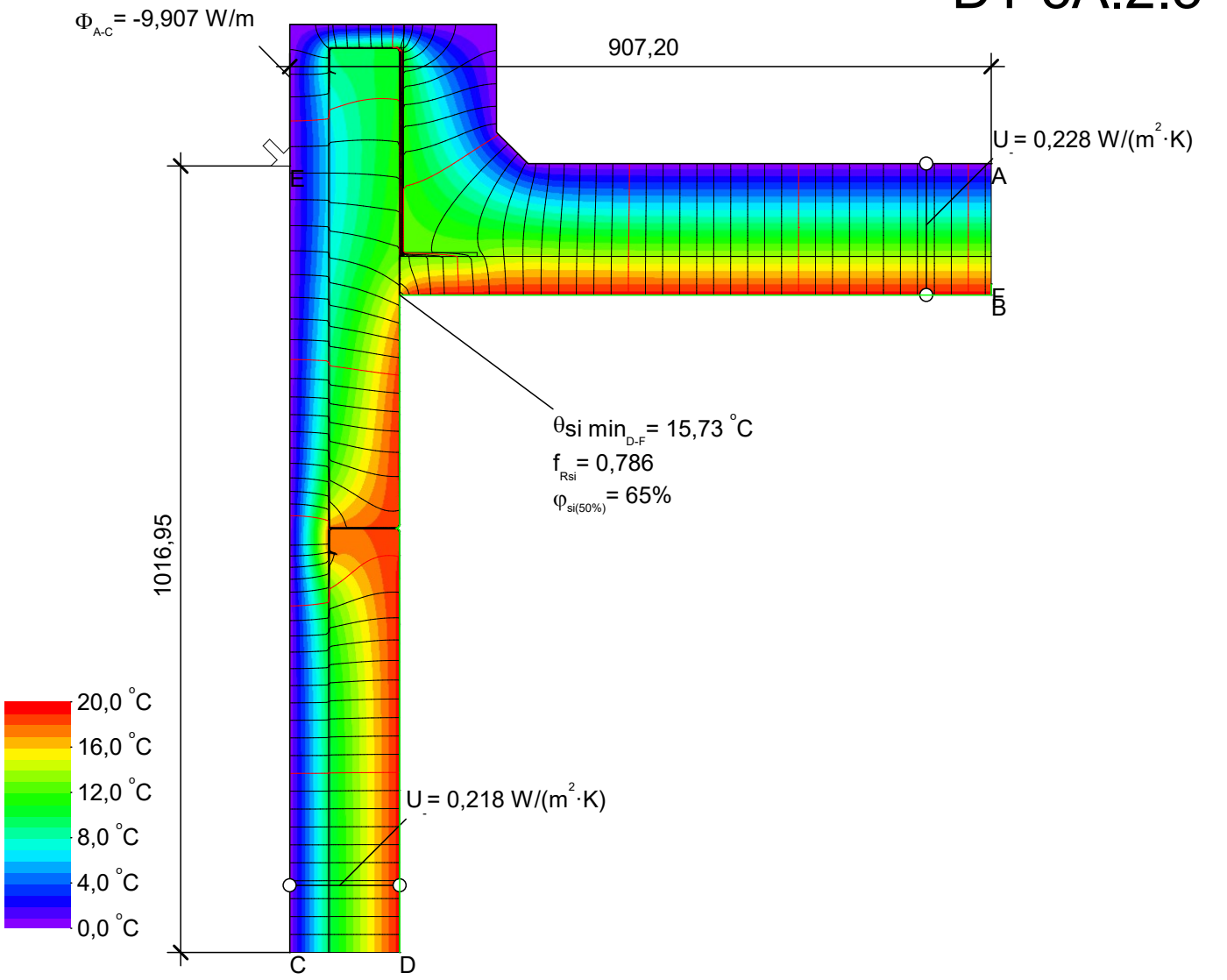
$$\psi_{A-E-C} = \frac{\Phi}{\Delta T} - U_1 \cdot b_1 - U_2 \cdot b_2 = \frac{10,146}{20,000} - 0,228 \cdot 0,907 - 0,218 \cdot 1,017 = 0,079 \text{ W/(m·K)}$$

Material	λ[W/(m·K)]	ε
PIR	0,021	0,900
PUR	0,023	0,900
Steel	50,000	0,900
Unventilated air cavity **		
mineral wool	0,040	0,900
rotswol	0,040	0,900

** EN ISO 10077-2:2017, 6.4.3/anisotrop

Boundary Condition	q[W/m²]	θ[°C]	R[(m²·K)/W]	ε
Epsilon 0.9				0,900
Exterior, normal		0,000	0,040	
Interior, heat flux, upwards		20,000	0,100	
Interior, normal, horizontal		20,000	0,130	
Symmetry/Model section	0,000			

DT 3A.2.3



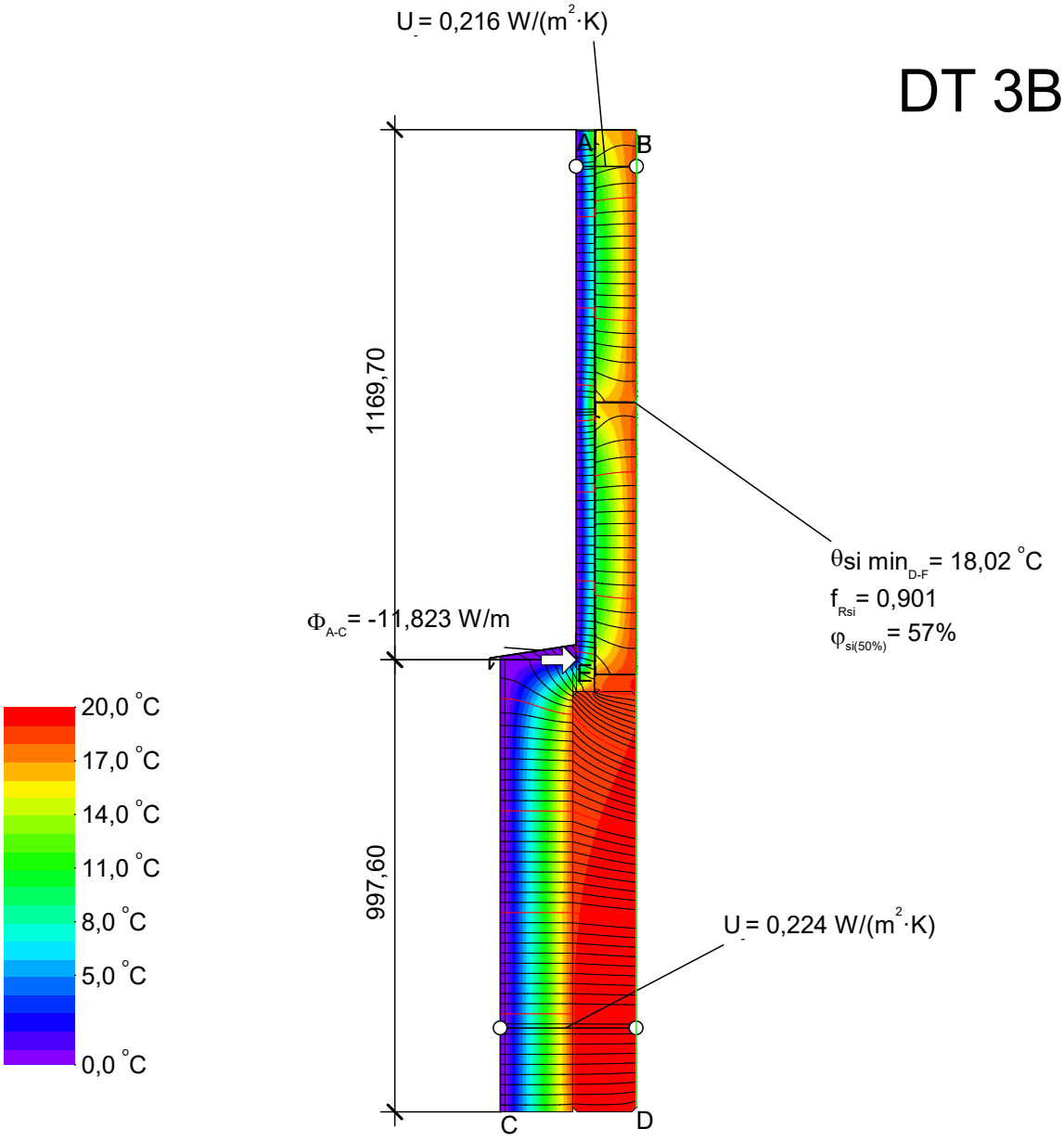
$$\psi_{A-E-C} = \frac{\Phi}{\Delta T} - U_1 \cdot b_1 - U_2 \cdot b_2 = \frac{9,907}{20,000} - 0,228 \cdot 0,907 - 0,218 \cdot 1,017 = 0,067\ W/(m \cdot K)$$

Material	λ[W/(m·K)]	ε
PIR	0,021	0,900
PUR	0,023	0,900
Steel	50,000	0,900
Unventilated air cavity **		
mineral wool	0,040	0,900
rotswol	0,040	0,900

** EN ISO 10077-2:2017, 6.4.3/anisotrop

Boundary Condition	q[W/m²]	θ[°C]	R[(m²·K)/W]	ε
Epsilon 0.9				0,900
Exterior, normal		0,000	0,040	
Interior, heat flux, upwards		20,000	0,100	
Interior, normal, horizontal		20,000	0,130	
Symmetry/Model section	0,000			

DT 3B.1.1



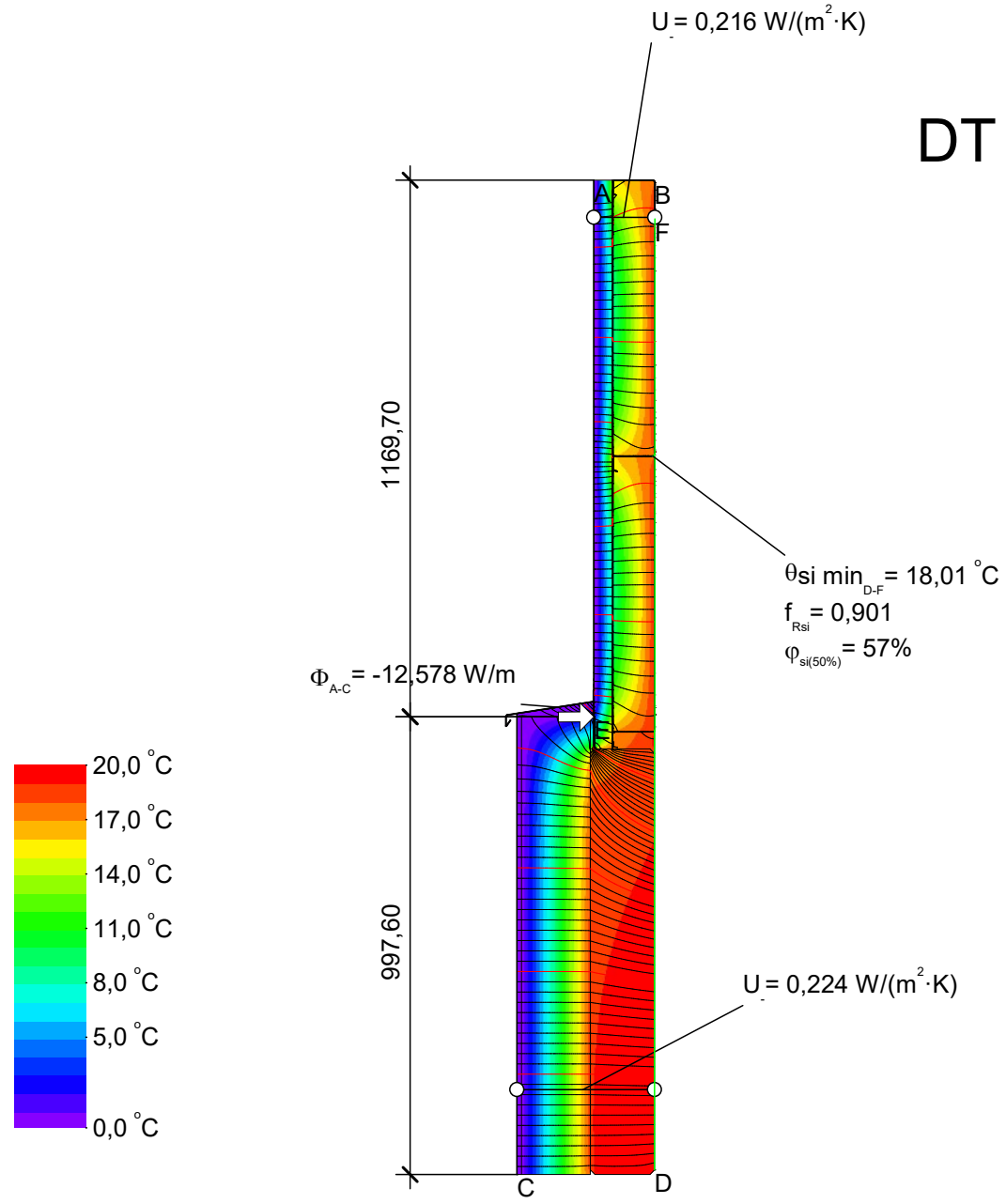
$$\psi_{A\text{-}E\text{-}C} = \frac{\Phi}{\Delta T} - U_1 \cdot b_1 - U_2 \cdot b_2 = \frac{11{,}823}{20{,}000} - 0{,}216 \cdot 1{,}170 - 0{,}224 \cdot 0{,}998 = 0{,}115 \text{ W/(m·K)}$$

Material	λ[W/(m·K)]	ε
Concrete, medium density 2200 kg/m3	1,650	0,900
Foamglas® - 0,036W/mK - Type T3+	0,036	0,900
PU schuim	0,026	0,900
Slightly ventilated air cavity **		
Stainless steel, austenitic or austenitic-ferritic	17,000	0,900
Steel	50,000	0,900
Undefined Material	0,010	0,900
Unventilated air cavity **		
ingeblazen minerale wol	0,034	0,900
minerale wol	0,040	0,900
sandwich PIR	0,022	0,900
trespa	0,300	0,900

** EN ISO 10077-2:2017, 6.4.3/anisotrop

Boundary Condition	q[W/m²]	θ[°C]	R[(m²·K)/W]	ε
Epsilon 0.9				0,900
Exterior, normal		0,000	0,040	
Interior, normal, horizontal		20,000	0,130	
Symmetry/Model section	0,000			

DT 3B.1.2



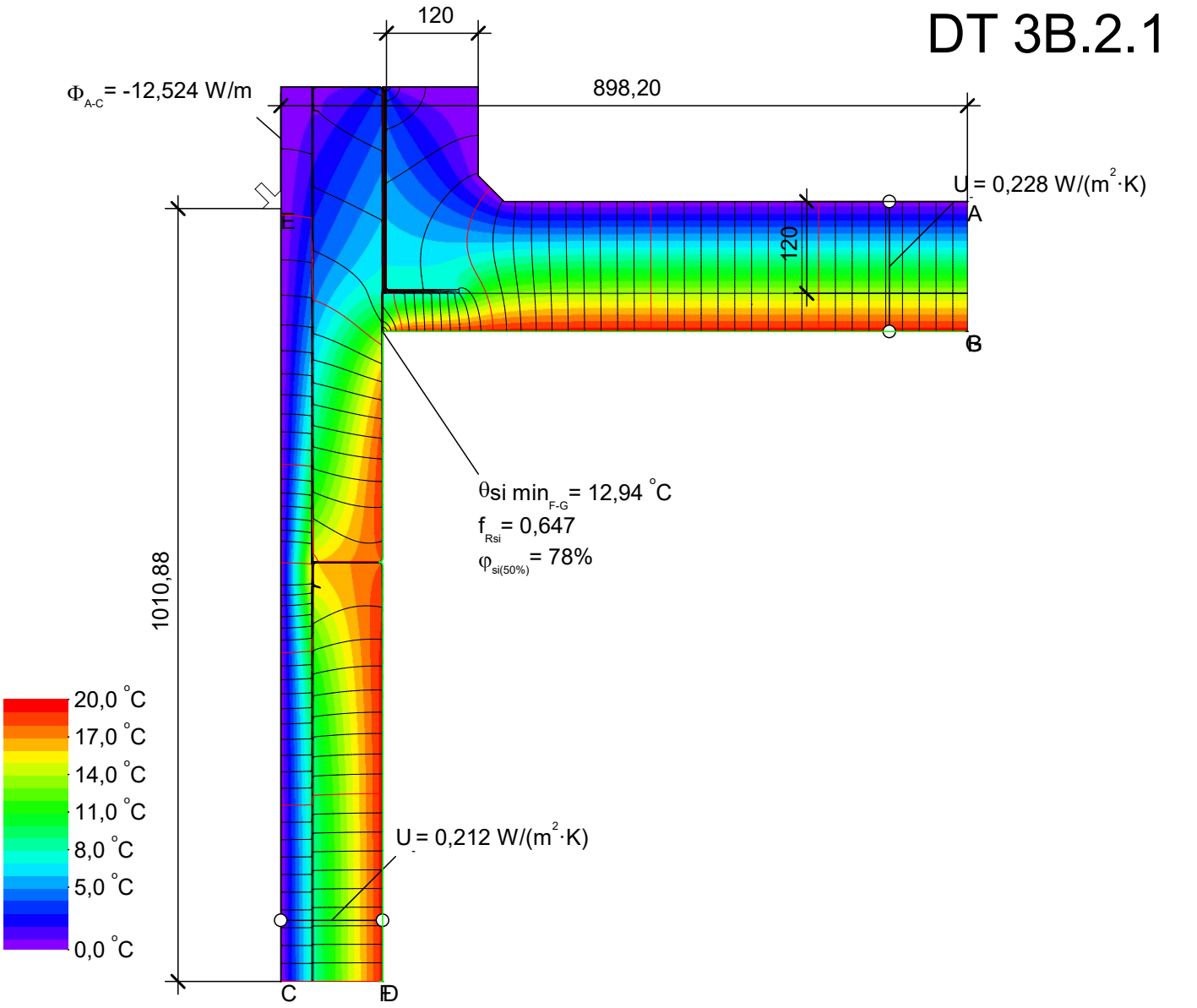
$$\psi_{A\text{-}E\text{-}C} = \frac{\Phi}{\Delta T} - U_1 \cdot b_1 - U_2 \cdot b_2 = \frac{12{,}578}{20{,}000} - 0{,}216 \cdot 1{,}170 - 0{,}224 \cdot 0{,}998 = 0{,}153 \text{ W/(m·K)}$$

Material	λ[W/(m·K)]	ε
Concrete, medium density 2200 kg/m3	1,650	0,900
Foamglas® - 0,036W/mK - Type T3+	0,036	0,900
PU schuim	0,026	0,900
Slightly ventilated air cavity **		
Stainless steel, austenitic or austenitic-ferritic	17,000	0,900
Steel	50,000	0,900
Undefined Material	0,010	0,900
Unventilated air cavity **		
ingeblazen minerale wol	0,034	0,900
minerale wol	0,040	0,900
sandwich PIR	0,022	0,900
trespa	0,300	0,900

** EN ISO 10077-2:2017, 6.4.3/anisotrop

Boundary Condition	q[W/m²]	θ[°C]	R[(m²·K)/W]	ε
Epsilon 0.9				0,900
Exterior, normal		0,000	0,040	
Interior, normal, horizontal		20,000	0,130	
Symmetry/Model section	0,000			

DT 3B.2.1



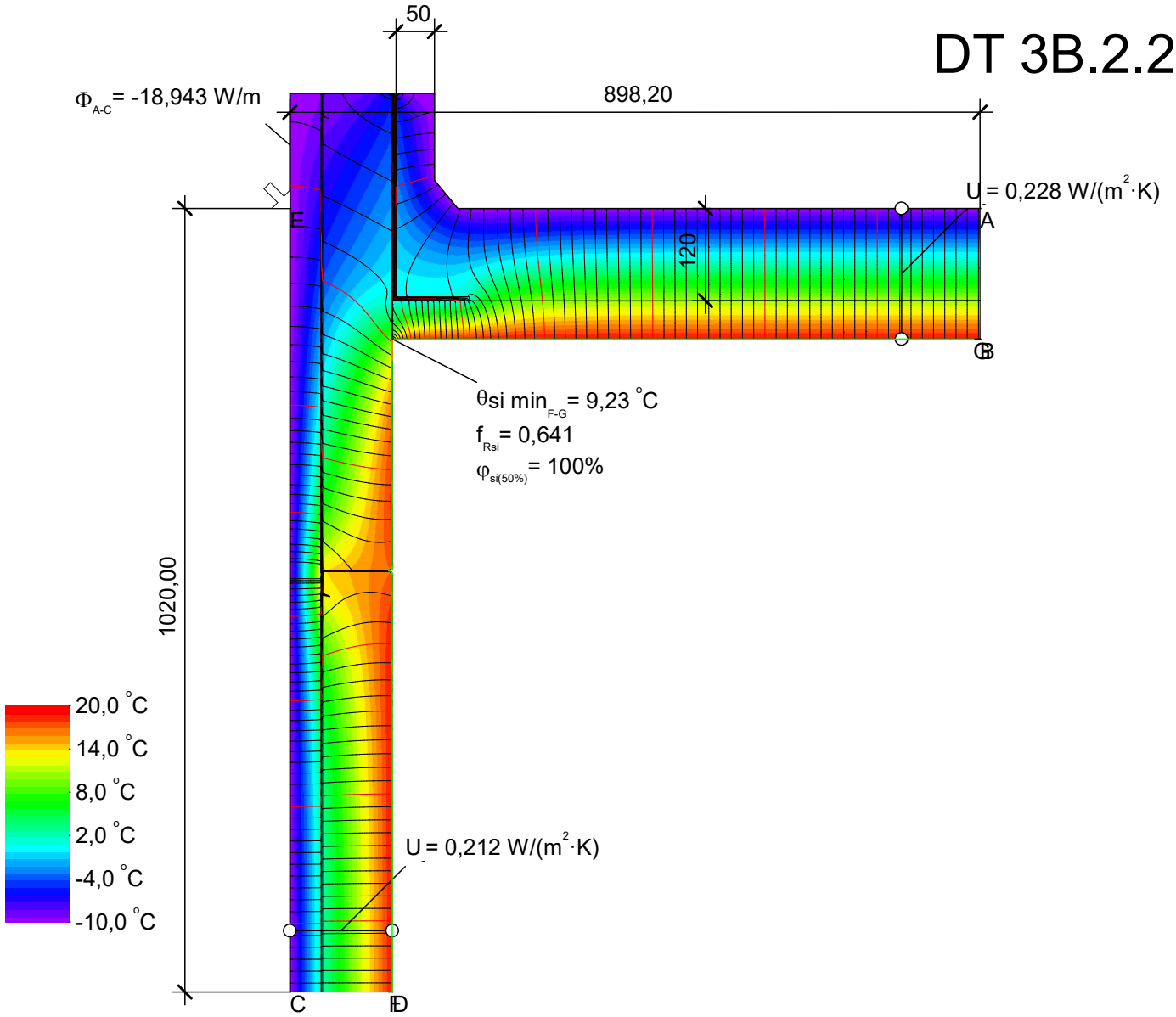
$$\psi_{A\text{-}E\text{-}C} = \frac{\Phi}{\Delta T} - U_1 \cdot b_1 - U_2 \cdot b_2 = \frac{12{,}524}{20{,}000} - 0{,}228 \cdot 0{,}898 - 0{,}212 \cdot 1{,}011 = 0{,}208 \text{ W/(m·K)}$$

Material	λ[W/(m·K)]	ε
Stainless steel, austenitic or austenitic-ferritic	17,000	0,900
Steel	50,000	0,900
Undefined Material	0,010	0,900
Unventilated air cavity **		
glaswol inblaas	0,034	0,900
minerale wol	0,040	0,900
rotswol	0,040	0,900
sandwichpaneel PIR	0,021	0,900

** EN ISO 10077-2:2017, 6.4.3/anisotrop

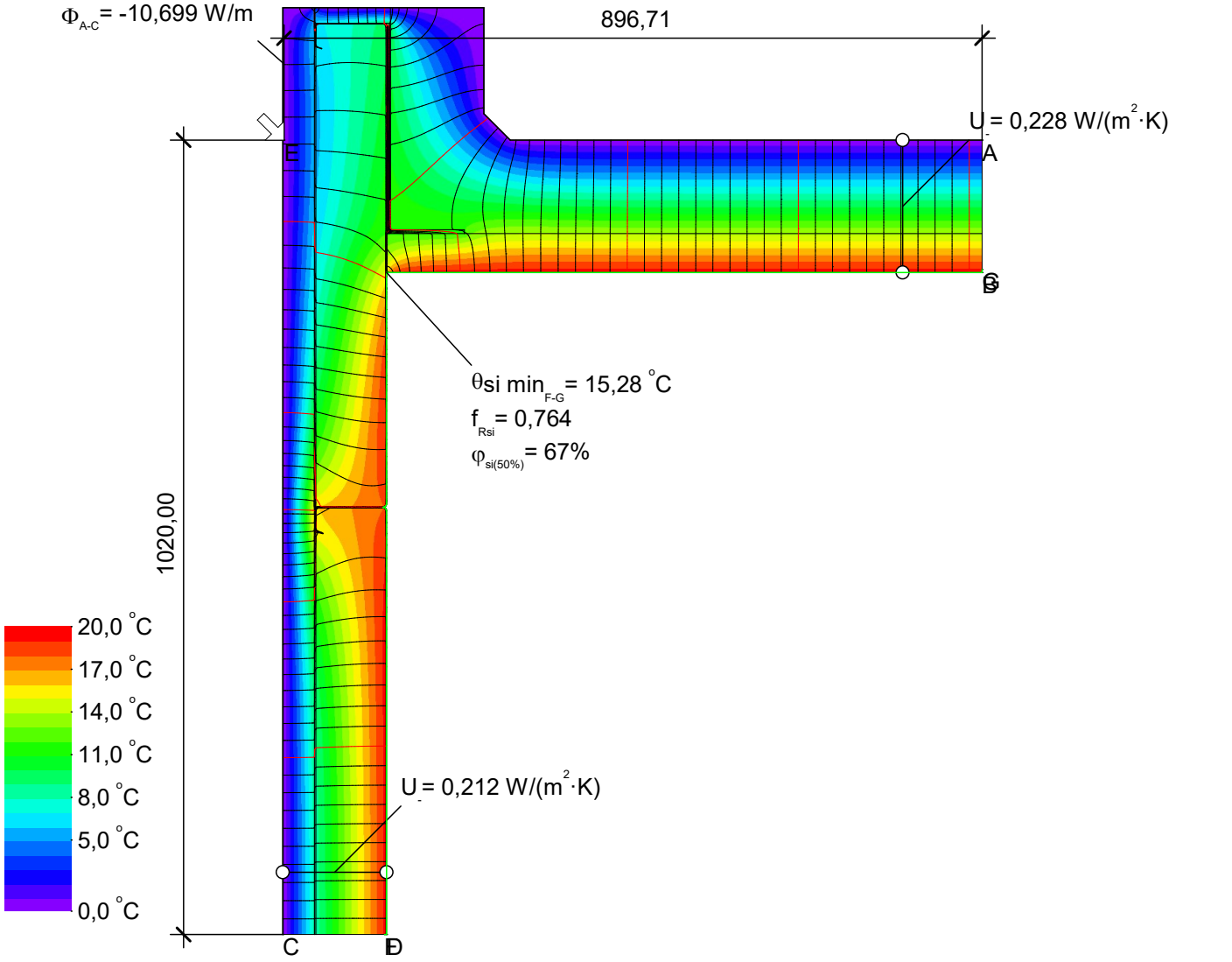
Boundary Condition	q[W/m²]	θ[°C]	R[(m²·K)/W]	ε
Epsilon 0.9				0,900
Exterior, normal		0,000	0,040	
Interior, heat flux, upwards		20,000	0,100	
Interior, normal, horizontal		20,000	0,130	
Symmetry/Model section	0,000			

DT 3B.2.2



$$\psi_{A\text{-}E\text{-}C} = \frac{\Phi}{\Delta T} - U_1 \cdot b_1 - U_2 \cdot b_2 = \frac{18{,}943}{30{,}000} - 0{,}228 \cdot 0{,}898 - 0{,}212 \cdot 1{,}020 = 0{,}211 \text{ W/(m·K)}$$

DT 3B.2.3



$$\psi_{A\text{-}E\text{-}C} = \frac{\Phi}{\Delta T} - U_1 \cdot b_1 - U_2 \cdot b_2 = \frac{10{,}699}{20{,}000} - 0{,}228 \cdot 0{,}897 - 0{,}212 \cdot 1{,}020 = 0{,}115\ \text{W/(m·K)}$$

Material	λ[W/(m·K)]	ε
Stainless steel, austenitic or austenitic-ferritic	17,000	0,900
Steel	50,000	0,900
Undefined Material	0,010	0,900
Unventilated air cavity **		
glaswol inblaas	0,034	0,900
minerale wol	0,040	0,900
rotswol	0,040	0,900
sandwichpaneel PIR	0,021	0,900
tussenstuk PIR	0,021	0,900

** EN ISO 10077-2:2017, 6.4.3/anisotrop

Boundary Condition	q[W/m²]	θ[°C]	R[(m²·K)/W]	ε
Epsilon 0.9				0,900
Exterior, normal		0,000	0,040	
Interior, heat flux, upwards		20,000	0,100	
Interior, normal, horizontal		20,000	0,130	
Symmetry/Model section	0,000			