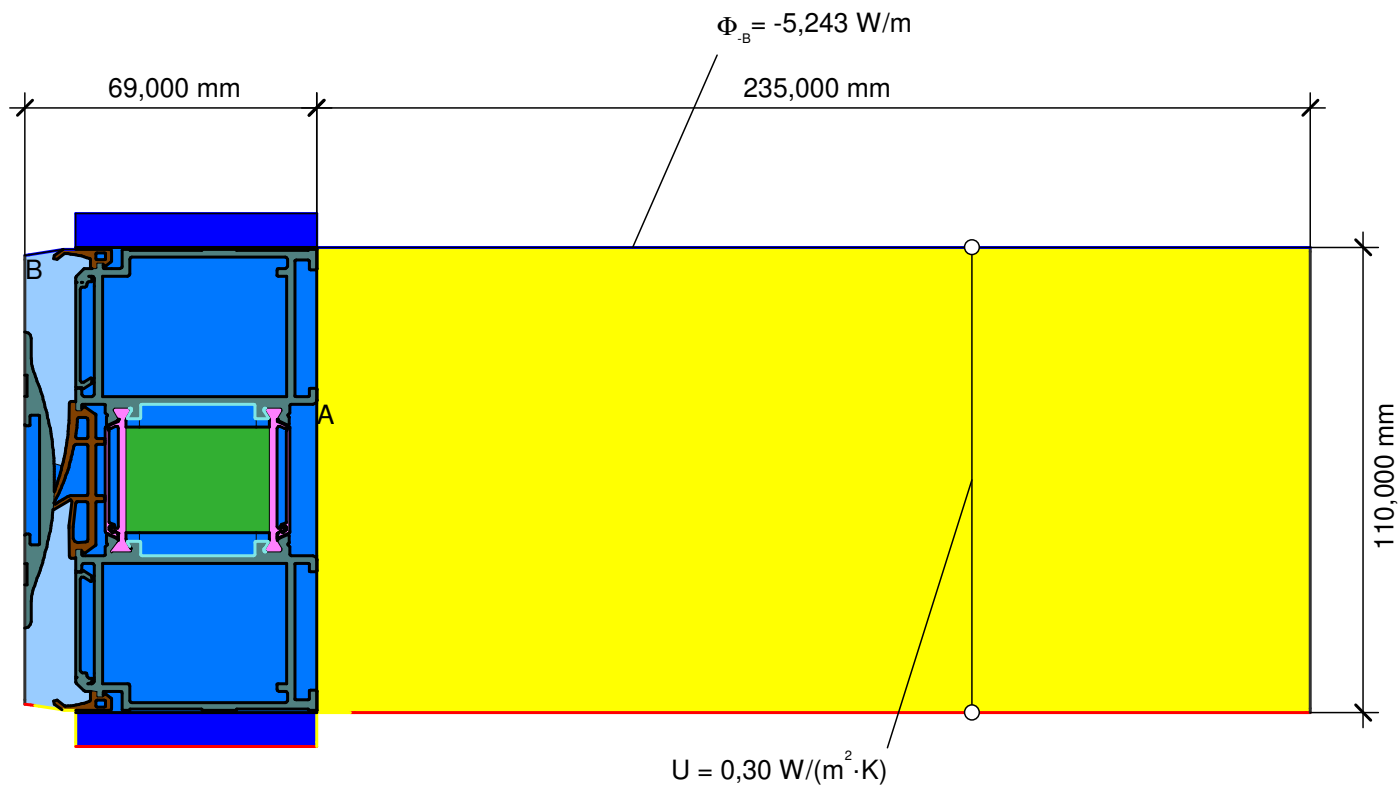




$$U_{fAB} = \frac{\frac{\Phi}{\Delta T} - U_p \cdot b_p}{b_f} = \frac{\frac{5,243}{20,000} - 0,302 \cdot 0,235}{0,069} = 2,77 \text{ W}/(\text{m}^2 \cdot \text{K})$$

Material	λ [W/(m·K)]	ϵ	μ [-]
Aluminium alloy - anodised - painted - powder coated	160,000	0,100	
Aluminium alloy - anodised - painted - powder coated	160,000	0,900	
Calibration Panel EN ISO 10077-2	0,035	0,900	
Ethylene Propylene Diene Monomer (EPDM)	0,250	0,900	
Polyamide 6.6 with 25 % Glass Fibers	0,300	0,900	
Slightly ventilated cavities *			1,000
Steel - metallic surface (general - including galvanised)	50,000	0,900	
Unventilated cavities *			1,000
kooltherm	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	ϕ [%]
Adiabatic	0,000				
Epsilon 0,1				0,100	
Epsilon 0.9				0,900	
Exterior frame		0,000	0,040		
Interior, frame, normal		20,000	0,130		
Interior, frame, reduced		20,000	0,200		

1/5/2024

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