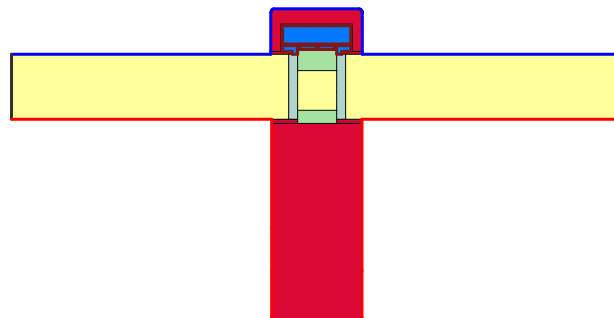


$$U_{fA,B} = \frac{\Phi}{\Delta T \cdot b_f} = \frac{U_{p1} \cdot b_{p1} + U_{p2} \cdot b_{p2}}{b_f} = \frac{10,130}{30,000} = \frac{0,626 \cdot 0,200 + 0,626 \cdot 0,199}{0,070} = 1,25 \text{ W}/(\text{m}^2 \cdot \text{K})$$



Material	λ [W/(m·K)]	ϵ	Boundary Condition	q [W/m ²]	θ [°C]	R [(m ² ·K)/W]	ϵ
Aluminium alloy	160,000	0,900	Epsilon 0.9				0,900
EPDM (ethylene propylene diene monomer)	0,250	0,900	Exterior, normal		-10,000	0,040	
PU (polyurethane)	0,400	0,900	Interior, normal, horizontal		20,000	0,130	
Panel	0,035		Symmetry/Model section	0,000			
Plywood 500 kg/m ³	0,130	0,900					
Softwood 450, typical construction timber	0,120						
Unventilated air cavity	anisotropic						