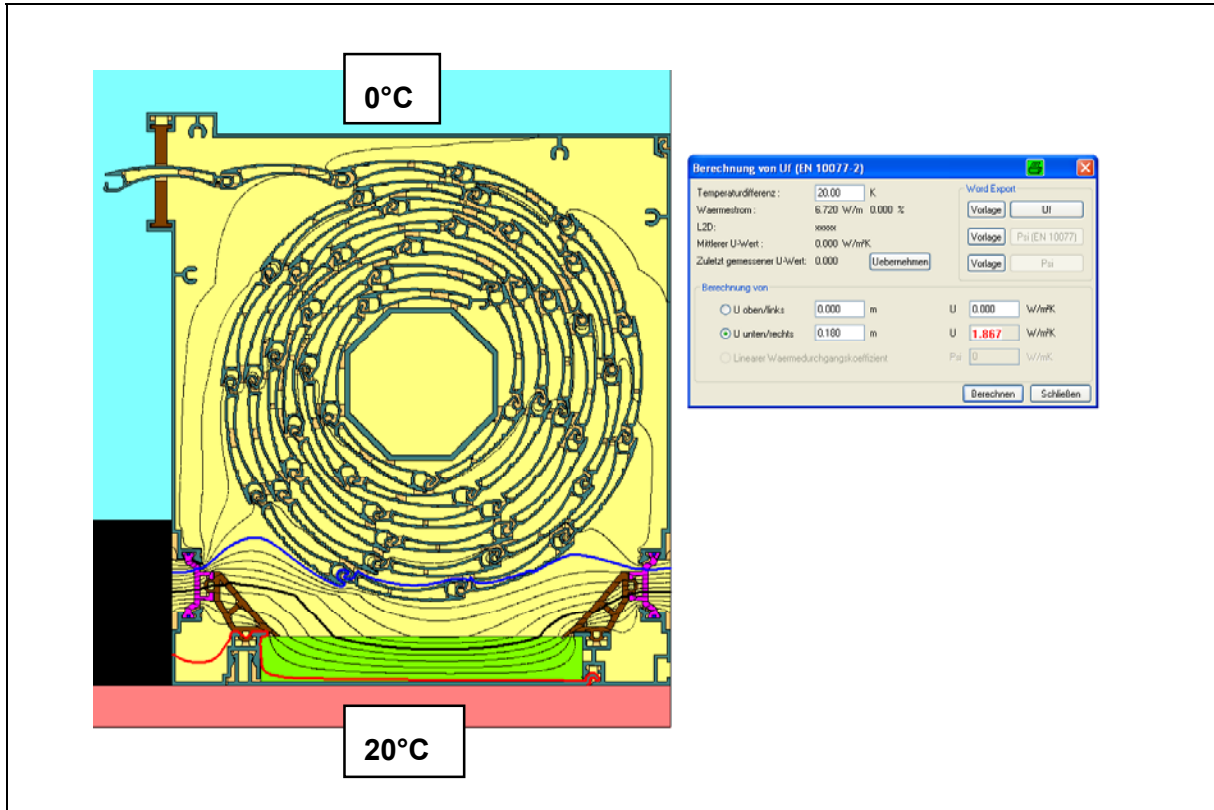


**2. shutter box (width 180 mm) with shutter elements:**  
including 24 mm insulbar® (Art. 2191)



<b>U<sub>sb</sub> – thermal transmission coefficient of the shutter box</b>	
U <sub>sb</sub> ~1.9 W/m²K	(calculated Value: 1.867 W/m²K)

„Improve the thermal insulation of your window with warm edge“ – [www.thermix.de](http://www.thermix.de)

### 3. Legend

material description	$\lambda$ [W/mK] / $R^*$ [m <sup>2</sup> K/W]	T [°C]
■ adiabatic wall	0.0	
■ external air 0,04, 0°C, 80%	0.04*	0
■ internal air 0,13 , 50%	0.13*	20
■ air 10077-2 (auto)	variable	
■ air DIN 10077-2 (<=2mm)	variable	
■ aluminium (Si-alloy) 160	160	
■ EPDM	0.25	
■ Coex sealing wire	0.30	
■ TECATHERM 66 GF	0.30	
■ PUR foam	0.035	

isothermal lines	T [°C]
■ blue	5
■ black	10
■ red	15

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These results are based on our current knowledge. It is not intended to assure legally binding or to guarantee these results and their suitability for a certain use.