

# Energy Table



Candiwall Panel Composition	[kg/m <sup>3</sup> ]	e [m]	λ [W/m <sup>2</sup> °C]	R [m <sup>2</sup> °C/W]	U[m <sup>2</sup> °C/W]
extruded polystyrene XPS	-	0,047	0,035	1,34	
stoneware plate / ceramic of lining (klinker)	2000	0,014	0,77	0,02	
<b>Candiwall Panel Thermal Resistance</b>				<b>1,36</b>	<b>0,73</b>

Composition of the Facade		λ [W/m <sup>2</sup> °C]	e [m]	R [m <sup>2</sup> °C/W]	U [W/m <sup>2</sup> °C]
			interior surface resistance	0,13	0,62
inside cladding	hydraulic plaster	1,30	0,015	0,01	
inside cloth	11 brick stuck	-	0,11	0,27	
isolation	expanded polystyrene EPS	0,04	0,03	0,75	
foreign cloth	15 brick stuck	-	0,15	0,39	
outside cladding	hydraulic plaster	1,30	0,015	0,01	
			outside surface resistance	0,04	
<b>Facade's Total Thermal Resistance</b>				<b>1,60</b>	<b>0,62</b>
<b>Candiwall Panel Thermal Resistance</b>				<b>1,36</b>	<b>0,73</b>
<b>Facade's Total Thermal Resistance + Candiwall Panel</b>				<b>2,96</b>	<b>0,33</b>
					<b>Improvement</b>
					<b>85,00%</b>

Composition of the Facade		λ [W/m <sup>2</sup> °C]	e [m]	R [m <sup>2</sup> °C/W]	U [W/m <sup>2</sup> °C]
			interior surface resistance	0,13	0,67
inside cladding	hydraulic plaster	1,30	0,015	0,01	
inside cloth	11 brick stuck	-	0,11	0,27	
isolation	expanded polystyrene EPS	0,04	0,03	0,75	
foreign cloth	11 brick stuck	-	0,15	0,39	
outside cladding	hydraulic plaster	1,30	0,015	0,01	
			outside surface resistance	0,04	
<b>Facade's Total Thermal Resistance</b>				<b>1,48</b>	<b>0,67</b>
<b>Candiwall Panel Thermal Resistance</b>				<b>1,36</b>	<b>0,73</b>
<b>Facade's Total Thermal Resistance + Candiwall Panel</b>				<b>2,84</b>	<b>0,35</b>
					<b>Improvement</b>
					<b>91,90%</b>

Composition of the Facade		λ [W/m <sup>2</sup> °C]	e [m]	R [m <sup>2</sup> °C/W]	U [W/m <sup>2</sup> °C]
			interior surface resistance	0,13	1,10
inside cladding	hydraulic plaster	1,30	0,015	0,01	
inside cloth	11 brick stuck	-	0,11	0,27	
isolation	air box	-	0,03	0,75	
foreign cloth	11 brick stuck	-	0,15	0,39	
outside cladding	hydraulic plaster	1,30	0,015	0,01	
			outside surface resistance	0,04	
<b>Facade's Total Thermal Resistance</b>				<b>0,91</b>	<b>1,10</b>
<b>Candiwall Panel Thermal Resistance</b>				<b>1,36</b>	<b>0,73</b>
<b>Facade's Total Thermal Resistance + Candiwall Panel</b>				<b>2,27</b>	<b>0,44</b>
					<b>Improvement</b>
					<b>149,50%</b>

Composition of the Facade		$\lambda$ [W/m°C]	e [m]	R [m <sup>2</sup> °C/W]	U [W/m <sup>2</sup> °C]	
			interior surface resistance	0,13	0,97	
inside cladding	hydraulic plaster	1,30	0,015	0,01		
inside cloth	11 brick stuck	-	0,11	0,27		
isolation	air box	-	0,03	0,75		
foreign cloth	15 brick stuck	-	0,15	0,39		
outside cladding	hydraulic plaster	1,30	0,015	0,01		
			outside surface resistance	0,04		
<b>Facade's Total Thermal Resistance</b>				1,03	0,97	
<b>Candiwall Panel Thermal Resistance</b>				1,36	0,73	Improvement
<b>Facade's Total Thermal Resistance + Candiwall Panel</b>				2,39	0,41	<b>132,10%</b>

Composition of the Facade		$\lambda$ [W/m°C]	e [m]	R [m <sup>2</sup> °C/W]	U [W/m <sup>2</sup> °C]	
			interior surface resistance	0,13	1,72	
inside cladding	hydraulic plaster	1,30	0,015	0,01		
simple cloth masonry	15 brick stuck	-	0,15	0,39		
outside cladding	hydraulic plaster	1,30	0,015	0,01		
			outside surface resistance	0,04		
<b>Facade's Total Thermal Resistance</b>				0,58	1,72	
<b>Candiwall Panel Thermal Resistance</b>				1,360	0,73	Improvement
<b>Facade's Total Thermal Resistance + Candiwall Panel</b>				1,94	0,53	<b>234,50%</b>