

INSULATION VALUES

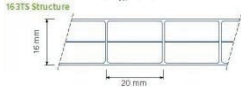
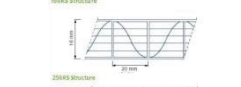
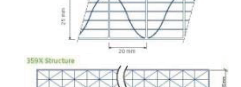
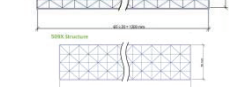

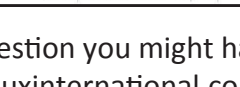
K,U = OVERALL HEAT TRANSFER COEFFICIENT
R = OVERALL THERMAL RESISTANCE CONVERSION

K-VALUE [W/m² °C] x 0.17611 = U-FACTOR [BTU/h ft² °F]

$$U \times 5.68 = K \qquad R = \frac{1}{U} \qquad U = \frac{1}{R}$$

The unit conversion from W/m² °C to BTU/h ft² F is 1 W/m² °C is equal to 0.17611 BTU/h ft² °F or 1/5.678269 BTU/h ft² °F

EXAMPLES:

Product		<u>K-VALUE</u> W/m ² °C	<u>U-FACTOR</u> BTU/h ft ² °F	<u>R</u> h ft ² °F/BTU
16mm		2.27	0.40	2.50
16mm		1.84	0.324	3.09
25mm		1.45	0.255	3.92
35mm		1.187	0.209	4.78
50mm		0.982	0.173	5.78
Thermoclick 40mm		1.412	0.248	4.02

For any technical question you might have, please call or send an email to tech.service@ameriluxinternational.com. We'll do our best to get you an answer.