

# EIS 500

## Product Enquiry Sheet

Manufacturing facilities are in the process of being set up and we need to determine in more detail what range of product is required.

The EIS 500 is a stainless steel clad Vacuum Super Insulation panel achieving insulation values typically of 2 to 5 mW/m.K at 20°C, depending upon size etc. It can be used anywhere where high insulation and strength can give you a competitive advantage.

Preliminary research, carried out by Cardiff University, indicated that a panel of 1000mm x 1000mm x 20mm would be the ideal size to produce. We need to determine more accurately what our potential customers actually want and at what price it would be economical.

We can use different fillers which will affect both the insulation values and the costs and could probably accommodate most requirements, but this is likely to be too expensive; so we aim to produce a small range of standard products that we hope will satisfy the majority.

Initially we will limit our panels to operating in the range of -150°C to 600°C.

The proposed standard panel will weigh about 4kg and will probably be dimpled on the working surface.

The top and bottom skins will be made from 0.1mm Stainless Steel and will be bright and shiny.

We expect our panels to have a designed life in excess of 25 years, but we could probably make a panel with shorter life at less cost.

Thickness mm	Length mm	Width mm	U value W/m²K	Life Needed	Estimated Quantities	Target Price/m²	Comments
10	1000	500					
15	1000	500					
20	1000	500					
25	1000	500					
30	1000	500					
35	1000	500					
40	1000	500					
45	1000	500					
50	1000	500					

If you have any other particular requirements, please indicate below.

Thickness mm	Length mm	Width mm	U value	R value	Life Needed	Estimated Quantities	Target Price/m²	Comments

Although we will initially concentrate on making flat panels it should be possible to make many different shapes and configurations prior to final assembly. Manipulation or deformation after assembly is unlikely to be possible without damaging the assembly.

Please complete this form and return it to:

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