

COMPOSITE INSULATION SPECIAL SECTIONS



HEROSE LTD NOT ONLY OFFER THE COMPOSITE IN MULTIPLE WIDTHS, LENGTHS AND QUANTITY OF LAYERS, WE ARE ALSO ABLE TO OFFER CUSTOM PIECES, SIZED AND SHAPED, TO YOUR EXACT VESSEL DIMENSIONS. WHETHER ITS FOR YOUR VESSEL, TRAILER OR LIQUID CYLINDER WE CAN HAVE SECTIONS MADE TO YOUR EXACT REQUIREMENT.



KEY BENEFITS:

- Sized for your equipment and up to 35 paper & foil layers
- Faster and improved installs
- Improved vessel end insulation
- Reduced vacuum time
- Replaces and improves on blanket installations
- Less material waste
- Easy to implement into your production
- Reduced total install costs

APPLICATIONS:

Engineering designed sections are sized making them suitable for any application within the temperature range of -269°C to 500°C.

TECHNICAL SPECIFICATION:

Width Range:

Sized to your requirement (minimum quantities may be required)

Maximum Width:

1800mm

Temperature Range:

-452°F to 932°F (-269°C to 500°C)

SPECIFICATION:

Items	Insulation material	Aluminium foil
Thickness	0.06±0.01mm	0.0065mm
Weight	13.5±1 g/m ³	17±1 g/m ²
Tensile Strength	≥0.03 KN/m	≥0.4 KN/m
Moisture content	≤0.5%	-
Organic content	≤0.5%	-
Ensemble Thermal Conductivity	<1.5x10 ⁻⁴ w/m•k	
Cryogenic Out-gassing (Static State 1h)	<1.0x10 ⁻⁸ Pa•m ³ /s•g	
Temperature range	-269°C - 500°C	



CASE STUDY

Insulation vessel ends are always a problem matter for cryogenic vessel manufacturers, each having their own method of installations, whether its hand cutting composite and sticking it to the ends or using cryogenic blanket to insulate, it is all a lengthy process. We are proud to be able to offer custom sections that come in 35 x 35 pre-cut sections, ready to be attached to the vessel ends. Long gone are installation issues from using blanket and the time saved in the factory reduces vacuum times