

COOLWRAPS TECHNICAL DATA

Description:

Coolwraps are thermal safety insulating covers designed to be installed over high temperature areas on industrial plant and equipment to reduce process heat loss, lower ambient heat, reduce risk of fire, and provide personnel safety protection. Supercritical grade Coolwraps are designed to resist higher temperatures, and use a non-porous inner material to resist the ingress of oils and fluids in high-risk environments.

Typical Applications:

- Vehicle, vessel, and generator exhaust systems
- Ovens and kilns
- Industrial pipework (gas, steam, etc.)
- Processing equipment (injection moulding, bitumen processing, etc.)



Construction:

	Industrial Grade	Supercritical Grade
Outer Layer (Cold Face)	PTFE-coated fibreglass cloth	Silicone-coated, stainless steel reinforced fibreglass cloth
Insulation Medium	Needled silica mat	Ceramic wool
Inner Layer (Hot Face)	Basalt fibre textile	High-grade stainless-steel foil
Physical Barrier	Knitted stainless steel mesh	Knitted stainless steel mesh (2 layers)
Thread	Kevlar-coated multi-ply stainless steel thread	Kevlar-coated multi-ply stainless steel thread
Fastenings	Stainless-steel hooks and springs Dual-washer stainless steel lacing wires	Stainless-steel hooks and springs Dual-washer stainless steel lacing wires

As Coolwraps are custom manufactured to suit specific applications, the specific materials used in their construction may be different to the above, or in a different combination than specified. Customers may also request specific materials if required.

Service Temperature:

	Industrial Grade	Supercritical Grade
Hot Face (Continuous)	~500°C	~800°C
Hot Face (Short-Term Max)	<650°C	<1000°C
Cold Face (Continuous)	260°C	260°C

These figures are based on theoretical maximums under laboratory conditions and are to be used as a guide only.

1300 884 449

Unit 1, 10-12 Opala Street, Regency Park SA 5010
PO Box 853, Business Centre, Unley SA 5061

Email : sales@coolwraps.com.au Web: htcsafetyproducts.com.au