

THERMAL INSULATION



Superwool Insulation
Superwool is a high temperature insulating fibre blanket manufactured from Calcium Magnesium Silicate. This material has a thermal performance equivalent to refractory ceramic fibre up to 1200°C. However, unlike ceramic fibre, Superwool is body soluble and has a larger needle particle size.

These qualities mean that Superwool represents a lower respiratory hazard than ceramic fibre, although, as with all high temperature insulating fibre, normal respiratory protection in the form of an appropriate dust mask should be worn during handling. Superwool is available in a range of mat sizes, protected by a stainless steel mesh to extend the working life of the insulation. Alternatively, Superwool is also supplied in unmeshed rolls.

Superwool Insulation in Stainless Steel Mesh					
Stock Reference	Density 96kg/m²	Density 128kg/m²	Thickness (25mm)	Width (mm)	Length (mm)
29797	•		25	100	400
29798	•		25	125	600
29799	•		25	100	750
29800	•		25	300	750
29801	•		25	300	600
29802	•		25	300	900
29803	•		25	600	600
29804	•		25	600	900
29805	•		25	600	1,200
29806	•		25	600	1,800
29808		•	25	600	3,600
29900		•	25	300	750
29901		•	25	300	600
29902		•	25	300	900
29903		•	25	600	600
29904		•	25	600	900
29905		•	25	600	1,200
29906		•	25	600	1,800
29908		•	25	600	3,600

Unmeshed Superwool Insulation Rolls					
Stock Reference	Density 96kg/m²	Density 128kg/m²	Thickness (25mm)	Width (mm)	Length (mm)
29601	•		25	600	7,300
29611		•	25	600	7,300

THERMAL INSULATION



Ceramic Fibre Insulation
Ceramic fibre is a high temperature insulating fibre blanket. This material has a thermal performance equivalent to refractory ceramic fibre up to 1200°C.

Ceramic fibre is available in a range of mat sizes, protected by a stainless steel mesh to extend the working life of the insulation. Alternatively, Ceramic fibre is also supplied in unmeshed rolls.

Ceramic Fibre Insulation in Stainless Steel Mesh					
Stock Reference	Density 96kg/m²	Density 128kg/m²	Thickness (25mm)	Width (mm)	Length (mm)
29519	•		25mm	300mm	300mm
29513	•		25mm	300mm	600mm
29511	•		25mm	300mm	900mm
29512	•		25mm	600mm	600mm
29508	•		25mm	600mm	900mm
29509	•		25mm	600mm	1,200mm
29510	•		25mm	600mm	1,800mm
29514	•		25mm	600mm	2,200mm
29515	•		25mm	600mm	3,600mm
29517	•		25mm	600mm	7,300mm
29500		•	25mm	300mm	300mm
29501		•	25mm	300mm	600mm
29502		•	25mm	300mm	900mm
29507		•	25mm	300mm	1,800mm
29503		•	25mm	600mm	600mm
29504		•	25mm	600mm	900mm
29505		•	25mm	600mm	1,200mm
29506		•	25mm	600mm	1,800mm
29518		•	25mm	600mm	7,300mm

Unmeshed Ceramic Fibre Insulation Rolls					
Stock Reference	Density 96kg/m²	Density 128kg/m²	Thickness (25mm)	Width (mm)	Length (mm)
29601	•		25mm	600mm	7,300mm
29601/128		•	25mm	600mm	7,300mm

THERMAL INSULATION



Cooperknit Insulation
Cooperknit insulation is a cost effective knitted, silica fibre with many user benefits including reusability, long life and low risk to user health and safety and minimal skin irritation compared with most other high temperature insulating fibres. Independent tests on Cooperknit have shown that no respirable fibres were found in any samples after exposure to 1000oC for 24 hours.

Cooperknit can be used repeatedly at continuous operating temperatures up to 950oC without loss of thermal or mechanical properties. Cooperknit is available in a range of standard mat sizes detailed below, we are also able to supply special mat sizes or configurations to meet your exact requirements. Alternatively, Cooperknit is also supplied in 7.5m long rolls.

Cooperknit Insulation			
Stock Reference	Thickness (mm)	Width (mm)	Length (mm)
29700	10mm	300mm	600mm
29701	10mm	600mm	600mm
29702	10mm	600mm	900mm
29703	10mm	600mm	1,200mm
29704	10mm	600mm	1,800mm
29699	10mm	600mm	7,500mm

INFRA-RED HEATERS

Cooperheat’s electrical Infra-red Heater is an economical and highly efficient infra red, radiant heater that provides a radiant heat source for pre-heating metal fabrications. The heater is ideal for preheat of large welded constructions including steam drums, vessels and rotating equipment and are an alternative to our range of Infra-red Gas Surface Combustion Units (SCUs).

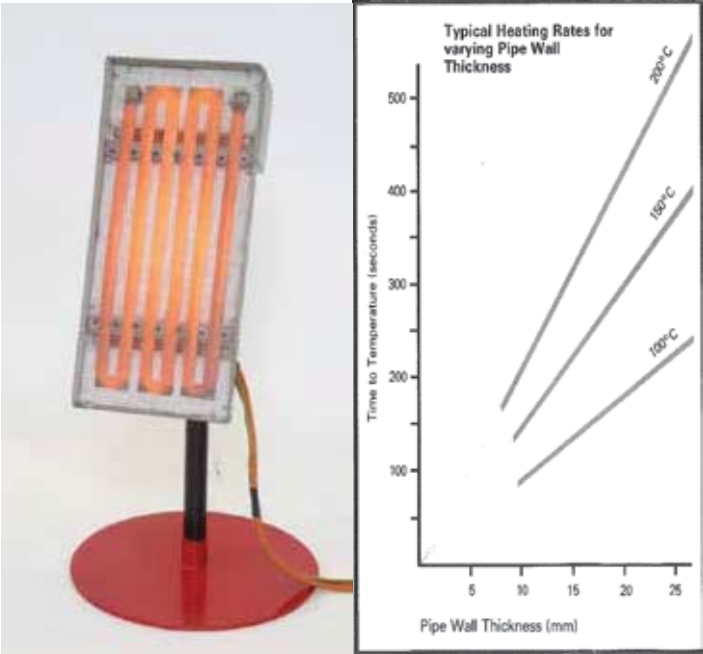
Specifically designed to replace the costly and heavy induction equipment including SCU’s required to deliver preheats on vessels and large constructions, the Infra-red Heater has an exceptionally fast “heat up” time and is lightweight in comparison to induction alternatives.

Infra-red panels can be mounted on internal or external support rigs or on separate stands as single units.

As single units the heater can be strategically positioned during the rotating operation necessary for welding circumferential seams of large heavy walled pressure vessels.

The Infra-red Heater is rugged, lightweight and comprises of a stainless steel container tray, a layer of silica fibre insulation and a shallow concave strip element manufactured in high temperature Kanthal.

- Technical Information:**
- The heater can achieve preheating temperatures of up to 350°C
 - Rated at 60V, 180A, 10.8 kW
 - The panels can be used in vertical or horizontal positions
 - Our 70 kVA Heat Treatment Modules can supply and control up to six Infra-red heaters (one heater per output channel)



Stock Reference	Item Description	Voltage	Current	Power	Dimensions mm
27981	Infra-Red Preheater	30V	180A	5.4kW	530mm x 240mm
27980	Infra-Red Preheater	60V	180A	10.8kW	630mm x 370mm
27984	Infra-Red Preheater	60V	180A	10.8kW	995mm x 235mm
6261/1	Adjustable Pedestal Stand for SCU & IR Heaters	-	-	-	460 > 760mm Tall
6261/2	Adjustable Pedestal Stand for SCU & IR Heaters	-	-	-	760 > 1,370mm Tall