

Heat Treatment Accessories and Consumables



High Temperature Cement

A small portion of the soft cement is fixed over the hot junction of the thermocouple, which is attached to the item being heat-treated. Once the putty dries, after 20 minutes, it hardens to protect the hot junction and helps avoid possible short circuit of the thermocouple wires which would result in temperature control and recording errors

Stock Ref:
43007

Description
Jar of high temperature cement



Heater and insulation fixings

For heating element bands of less than four heating elements, soft iron wire is sufficient for fixing the heating elements and insulation around the work piece. For a band of more than four heating elements, Stork recommend that mild steel banding and banding clips are used to ensure the heaters remain in full contact with the pipe. For temperatures in excess of 730°C we recommend using stainless steel banding and clips

Stock Ref:

29266 Soft iron wire (25kg roll)
32002 Mild steel banding (30m roll)
32003 Mild steel banding clips (box of 100)
32004 Stainless steel banding (30m roll)
Stainless steel banding clips (box of 100)



Banding machines

For tightening, cutting of and clipping mild and stainless steel banding.

Stock Ref:

29256 Standard banding machine (for mild steel banding)
29255 De-lux banding machine (for mild and stainless steel banding)



Heater Spares

Replacement parts for repair and manufacture of ceramic pad heating elements.

29455

60V heating element body and tail repair kit

29456

60V heating element body/cold tail assembly kit

Stock Ref:

Description

500-003 Main body beads
500-001 Starter beads
500-002 Finisher beads
500-004 Main body hole beads
500-008 Tail beads
502-050 19 strand 80/20 core wire
502-003 19 strand nickel 212 cold tail wire

STORK®

Stork Thermal and
Inspection Services

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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 can be supplied in unmeshed rolls.

Stock Ref:	Description
29800	25mm thick s/s meshed mat 300mm x 300mm
29801	25mm thick s/s meshed mat 300mm x 600mm
29802	25mm thick s/s meshed mat 300mm x 900mm
29803	25mm thick s/s meshed mat 600mm x 600mm
29804	25mm thick s/s meshed mat 600mm x 900mm
29805	25mm thick s/s meshed mat 600mm x 1200mm
29806	25mm thick s/s meshed mat 600mm x 1800mm
29807	25mm thick s/s meshed mat 300mm x 1800mm
29608	25mm thick unmeshed roll 7320 mm x 610mm

Density: 96kg per metre cubed
Material Safety Data Sheet available upon request.



Knitted insulation

Knitted insulation is a cost effective 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 this fibre have shown that no reparable fibres were found in any samples after exposure to 1000°C for 24 hours

Knitted fibre can be used repeatedly at continuous operating temperatures up to 950°C without loss of thermal or mechanical properties.

Knitted fibre is available in a range of standard mat sizes detailed below, we are also able to supply special mats sizes or configuration to meet your exact requirements. Alternatively knitted fibre can be supplied in 7.5m long rolls.

Stock Ref:	Description
29700	10mm thick mat 300mm x 600mm
29701	10mm thick mat 600mm x 600mm
29702	10mm thick mat 900mm x 600mm
29703	10mm thick mat 1200mm x 600mm
29704	10mm thick mat 1800mm x 600mm
29669	10mm thick roll 7500mm x 600mm

Density: 190kg per metre cubed
Material Safety Data Sheet available upon request.