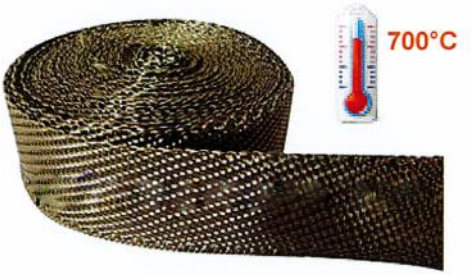
industrial sourcing &
INFINITY
thermal insulation specialists

Basalt Webbing Tape (Twill Weave)

- Excellent exhaust insulation wrap.
- Higher tensile strength than E glass.
- Maintains integrity at temperatures up to **560°C.** Basalt fibre exhibits superior temperature resistance compared to E glass fibres in the range **300°- 560°C**.
- Short periods to **700°C**.
- Resistant to electromagnetic radiation.
- Excellent resistance to chemicals.



Applications

- Excellent Exhaust Wrap.
- Excellent heat insulation of pipes in nuclear plants as basalt is known to resist degradation caused by radiation.
- Basalt also functions in very low temperatures down to **– 260°C** so are useful for insulating liquid nitrogen tanks and pipes.

Products

Product Code	Thickness (mm)	Width (mm)	Coil Length (m)	Unit of Sale
MAGWRAP/30/10	1.5mm	30mm	10m	1 Coil
MAGWRAP/30/15	1.5mm	30mm	15m	1 Coil
MAGWRAP/30/20	1.5mm	30mm	20m	1 Coil
MAGWRAP/30/30	1.5mm	30mm	30m	1 Coil
MAGWRAP/50/10	1.5mm	50mm	10m	1 Coil
MAGWRAP/50/15	1.5mm	50mm	15m	1 Coil
MAGWRAP/50/20	1.5mm	50mm	20m	1 Coil
MAGWRAP/50/30	1.5mm	50mm	30m	1 Coil
MAGWRAP/75/10	1.5mm	75mm	10m	1 Coil
MAGWRAP/75/20	1.5mm	75mm	20m	1 Coil
MAGWRAP/75/30	1.5mm	75mm	30m	1 Coil
MAGWRAP/100/30	1.5mm	100mm	30m	1 Coil

Further Information

Material Safety Data Sheet	Basalt Fibre Textiles

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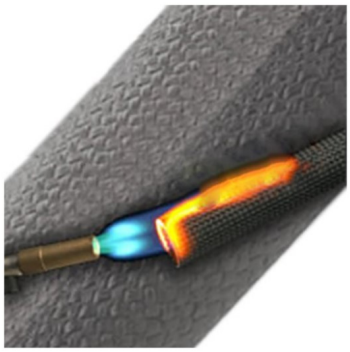
Product in Situ

INFINITY SOURCING PTY LTD

INFINITY SOURCING PTY LTD

Extreme Heat Sleeve (Silver)



- Textile Technologies resin coated sleeving has extremely high temperature resistance.
- Extreme Heat Sleeve is braided from fibreglass yarns and coated with high temperature resins.
- Extreme Heat Sleeve is tough and durable, maintaining its tight structure under extreme vibration, abrasion, mechanical stress and temperature variations.
- Extreme Heat Sleeve installs easily over a variety of applications to either deflect or retain heat in environments up to **650ºC**.
- UL recognized.
- Resin coated, heavy weight fibreglass.
- Will not burn, melt or become brittle. Flammability rating VW-1.
- Easy to install - cuts with scissors.
- Resists gasoline and engine chemicals.
- Cut and abrasion resistant.

** **Important Note:** The silver product has very slight conductivity in the resin.

Applications

Commonly used as thermal protection for wires, cables and hoses that are subjected to continuous and extreme high temperature environments particularly engine manifolds and exhaust systems.

Products

Product Code	Colour	Nominal Diameter (mm)	Maximum Diameter (mm)	Unit of Sale	Supplied
EHS/06/1/SILVER	Silver	6mm	10mm	1 Metre	Per Metre
EHS/10/1/SILVER	Silver	10mm	15mm	1 Metre	Per Metre
EHS/12.5/1/SILVER	Silver	12.5mm	20mm	1 Metre	Per Metre
EHS/15/1/SILVER	Silver	15mm	22.5mm	1 Metre	Per Metre
EHS/20/1/SILVER	Silver	20mm	28mm	1 Metre	Per Metre
EHS/22.5/1/SILVER	Silver	22.5mm	32mm	1 Metre	Per Metre
EHS/25/1/SILVER	Silver	25mm	40mm	1 Metre	Per Metre
EHS/40/1/SILVER	Silver	40mm	65mm	1 Metre	Per Metre
EHS/60/1/SILVER	Silver	60mm	100mm	1 Metre	Per Metre

Further Information

Material Safety Data Sheet	Extreme Heat Sleeve MSDS

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Derrick Du Plessis (MD) - 082 552 3224 /013 243 0527 - derrick@infinityservices.co.za

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INFINITY SOURCING PTY LTD

Heat Reflective Aluminised Sleeving

- Braided fibreglass sleeving covered with aluminium foil.
- The aluminium foil reflects radiant heat and has good shielding properties towards electromagnetic waves whereas the fibreglass braid inside provides excellent insulating properties.
- Halogen free.
- Thermal insulating properties.
- Electromagnetic shielding.
- Self-extinguishing.
- Highly flexible.
- Excellent chemical resistance.
- Rated to **200°C**.

Applications

- Mechanical, thermal and electromagnetic protection of electrical conductors and other components.
- The sleeving is capable of short-term operation above its thermal classification.

Products

Product Code	Diameter (mm)	Sold Per Metre
HRS/6.4/1	6.4mm	Sold Per Metre
HRS/9.5/1	9.5mm	Sold Per Metre
HRS/10/1	10mm	Sold Per Metre
HRS/12/1	12mm	Sold Per Metre
HRS/14/1	14mm	Sold Per Metre
HRS/16/1	16mm	Sold Per Metre
HRS/18/1	18mm	Sold Per Metre
HRS/19/1	19mm	Sold Per Metre
HRS/20/1	20mm	Sold Per Metre
HRS/22/1	22mm	Sold Per Metre
HRS/25/1	25mm	Sold Per Metre
HRS/28/1	28mm	Sold Per Metre
HRS/30/1	30mm	Sold Per Metre
HRS/32/1	32mm	Sold Per Metre
HRS/38/1	38mm	Sold Per Metre
HRS/40/1	40mm	Sold Per Metre
HRS/50/1	50mm	Sold Per Metre

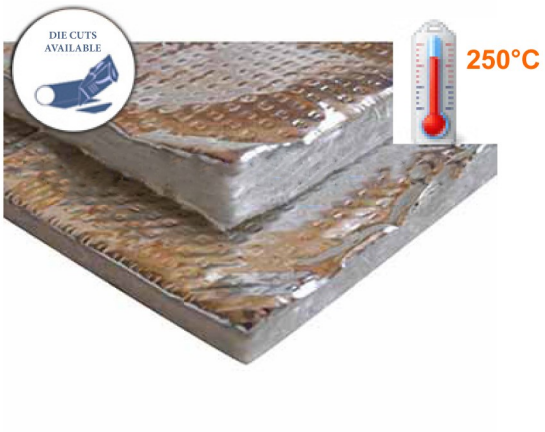
Further Information

Material Safety Data Sheet	Heat Reflective Aluminised Sleeving MSDS

INFINITY SOURCING PTY LTD

Acoustic Heat Shield

- Long strand glass fibre needle-mat, faced one side with reinforced aluminium foil with pressure sensitive self-adhesive backing on the reverse.
- Available in sheets or can be die-cut to size and shape.
- The adhesive face can be used at continuous temperatures up to **180°C**. The reflective face can withstand radiant heat up to **250°C.**
- Provide both thermal and acoustic insulation in areas exposed to extreme variations of temperature and high levels of noise emission from metal surfaces.
- Comply with the class 'O' requirements of the building regulations, when tested to BS476; Part 6: 1981 and Part 7: 1987.
- Meets the requirements of FMVSS 302/ ISO 3795.
- Thermal conductivity - 0.035 W/mK @10°C.



Applications

- Used extensively in hot, noisy environments such as power generations plants, industrial burners, compressors, marine engine rooms, military vehicles, earth moving equipment, aircraft, commercial transport and railway rolling stock.

Products

Product Code	Thickness (mm)	Width (mm)	Length (mm)	Unit of Sale	Supplied
AHS07/400/500	7mm	400mm	500mm	1 Sheet	1 Sheet
AHS07/400/1000	7mm	400mm	1000mm	1 Sheet	1 Sheet
AHS07/1000/1600	7mm	1000mm	1600mm	1 Sheet	1 Sheet
AHS07/1000/800	7mm	1000mm	800mm	1 Sheet	1 Sheet
AHS12/1000/1600	12mm	1000mm	1600mm	1 Sheet	1 Sheet
AHS12/1000/800	12mm	1000mm	800mm	1 Sheet	1 Sheet

Further Information

Material Safety Data Sheet	Acoustic Heat Shield MSDS

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67B JEPPE STREET
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NYLON - ABSN

Description

ABSN Polyamide 6.6 braided sleeving is highly flexible and offers exceptional abrasion resistance. Its uniquely shaped monofilament construction makes this sleeving ideal for use on rough & uneven applications & surfaces.
Nylon also offers a high degree of chemical resistance and is RoHS compliant.

Applications

- Ideal for wire harnesses, cable assemblies, air conditioning pipes,automotive fluid pipes, aerospace and military applications

Technical Data

Product	Typical Values
Material	Polyamide 6.6
Operating Temp.	-60°C to 160°C
Melting Point	256°C
Flammability	VW-1
Colour	Black

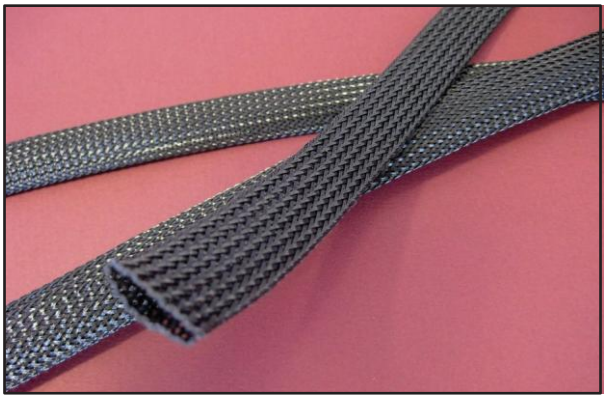
Dimensions

Product	Normal Size	Range		Reël Length
		Min	Max	
ABSN3	3	1	6	100m
ABSN4	4	3	6	100m
ABSN5	5	3	7	100m
ABSN6	6	3	9	100m
ABSN8	8	5	16	100m
ABSN10	10	7	19	100m
ABSN12	12	8	24	100m
ABSN14	14	9	25	100m
ABSN16	16	10	27	100m
ABSN20	20	14	30	100m
ABSN25	25	18	35	100m
ABSN30	30	20	50	100m
ABSN35	35	25	55	100m
ABSN40	40	30	60	100m
ABSN50	50	40	80	100m
ABSN60	60	45	95	100m

All dimensions in mm
Normal Size indicates the flat width
To prevent fraying use hot knife tool. P/N AHK1

AHK1 Hot Knife

POLYESTER - ABSP



Technical Data

Product	Typical Values
Material	Polyester (PET)
Operating Temp.	-50°C to 150°C
Melting Point	250°C
Flammability	VW-1
Approvals	UL, CSA, PFOS, REACH
Colour	Black (other colours on request)

Dimensions

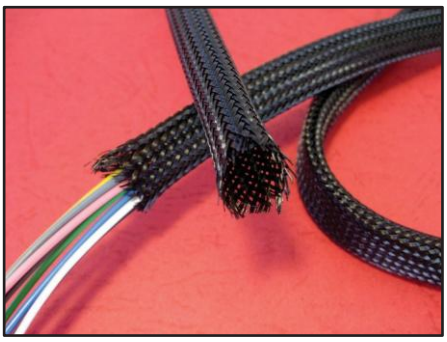
Product	Normal Size	Range		Reël
		Min	Max	Length
ABSP3	3	1	6	100m
ABSP4	4	3	6	100m
ABSP5	5	3	7	100m
ABSP6	6	3	9	100m
ABSP8	8	5	16	100m
ABSP10	10	7	19	100m
ABSP12	12	8	24	100m
ABSP14	14	9	25	100m
ABSP16	16	10	27	100m
ABSP20	20	14	30	100m
ABSP25	25	18	35	100m
ABSP30	30	20	50	100m
ABSP35	35	25	55	100m
ABSP40	40	30	60	100m
ABSP50	50	40	80	100m
ABSP60	60	45	95	100m

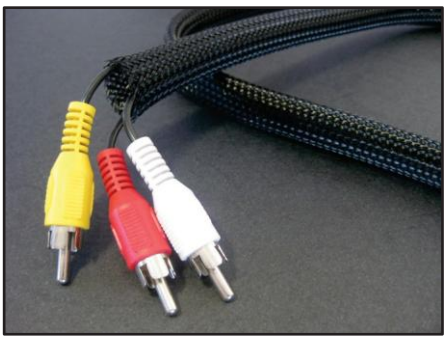
Description

ABSP Polyester sleeving offers good abrasion resistance and is flame-retardant and halogen free. The more loosely wovan construction enables the sleeving to expand to almost 1½ times it size and allows easier installation on cables, hoses, bulky connectors & plugs.

Applications

- Bundeling of cables/wiring in electronic applications
- Vehicle harnesses
- Protection and bundeling of tubing and industrial hoses
- Panel/Switchboard manufacturing to route and protect cable, especially where movement is required





INFINITY SOURCING PTY LTD

PTFE Coated Stainless Steel Sewing Thread

- In addition to our PTFE coated glass sewing thread we offer a PTFE Coated stainless steel sewing thread manufactured from 316L grade stainless steel that has 275 filaments and 175 torsions per metre.
- The temperature performance where there are no hazardous / corrosive elements present is up to **800°C** however in the worst possible environment **350°C**. More precise knowledge would be required to give a more accurate temperature rating.
- The stainless steel sewing thread is only used where the higher performance characteristics are a necessity due to the high comparative cost.
- Our PTFE coating is smooth and consistent which allows for maximum performance of the thread and minimises the possibility of kink, strip back and breakage that can be experienced using very high temperature yarns.
- Non combustible under normal conditions.
- Resistant to most chemicals, unaffected by fungi.
- Continuous working temperature **-73°C to 800°C** (With no hazardous / corrosive elements).
- Very low coefficient of friction, low moisture absorption.

Applications

- Used to fabricate high temperature textiles, thermal insulation jackets and pads, high temperature gaskets, tadpole tape stitches, heat shield stitches, fire resistant composites, filter bag stitches.

Products

Product Code	Method of Sewing	Yield (m)	Package	Unit of Sale
PTFE-SSGY	Machine or Hand	1300m approx. per Kg	Kingspool (750grams approx.)	1 Kg

Further Information

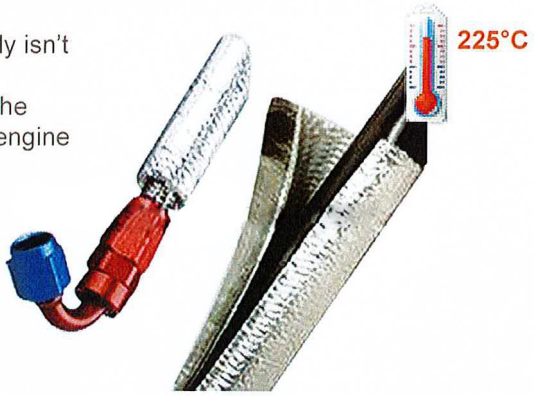
Material Safety Data Sheet	Stainless Steel Textiles MSDS

Derrick Du Plessis (MD) - 082 552 3224 /013 243 0527 - derrick@infinityservices.co.za

www.infinityservices.co.za

Reflective Aluminium Glass Sleeving (Self Wrap)

- Speedshield is designed for ease of installation when component disassembly isn't practical.
- Just wrap the preformed, split flexible tube around any component and seal the sides with the high temperature adhesive strip to protect from hot pipes and engine components.
- Reflects radiant heat.
- Resists gasoline and engine chemicals.
- Cut and abrasion resistant.
- Halogen free.
- Good resistance to most acids and alkalis.
- Rated to **225°C**.



Applications

- Reduces heat transmission from hot pipes or engines components into hoses or harness by up to 50% or more.

Products

Product Code	Colour	Diameter (mm)	Unit of Sale	Supplied
SPEEDS/06/1.2	Silver	6mm	1 Piece	Per 1.2m Length
SPEEDS/10/1.2	Silver	10mm	1 Piece	Per 1.2m Length
SPEEDS/12.5/1.2	Silver	12.5mm	1 Piece	Per 1.2m Length
SPEEDS/15/1.2	Silver	15mm	1 Piece	Per 1.2m Length
SPEEDS/20/1.2	Silver	20mm	1 Piece	Per 1.2m Length
SPEEDS/25/1.2	Silver	25mm	1 Piece	Per 1.2m Length
SPEEDS/32/1.2	Silver	32mm	1 Piece	Per 1.2m Length
SPEEDS/38/1.2	Silver	38mm	1 Piece	Per 1.2m Length
SPEEDS/50/1.2	Silver	50mm	1 Piece	Per 1.2m Length

Further Information

Material Safety Data Sheet	Speedshield Textiles MSDS

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S-TEX Continuous Filament Silica Cloth (Vermiculite)

- Silica cloth made by weaving continuous filament silica yarns offer excellent protection from radiant heat and molten metal splash.
- They differ from textured silica cloths by being smooth in appearance and more densely woven which increases their tensile strength.
- Silica cloth resists continuous temperatures up to **1000°C**, do not vitrify and are recommended as substitutions to ceramic cloth. If exposed to high levels of abrasion and vibration the integrity of the fabric is lost at lower temperatures.
- Vermiculite dispersions have been added to improve resistance to molten splash if required.
- Silica fabrics have good chemical resistance except hydrofluoric acid, phosphor acid, and hydrochloric acids and also alkali Mg (magnesium), Na (sodium) and Si (silicon).
- Silica cloth is incombustible according to DIN 4102 A2.

Applications

- Turbine insulation, welding blankets, expansion joints, furnace linings, extreme heat protection.

Products

Product Code	Coating	Weave	Weight (g/m^2)	Width (mm)	Thickness (mm)	Unit of Sale
S-TEX-C/600V2/92	Vermiculite	Atlas 8/3	600	920mm	0.7mm	1 Lin Metre
S-TEX-C/600V2/90/8HS	Vermiculite	8 H Satin	600	900mm	0.67mm	1 Lin Metre
S-TEX-C/1100V2/90/12HS	Vermiculite	12 H Satin	1100	900mm	1.15mm	1 Lin Metre
S-TEX-C/1220V2/920	Vermiculite	Atlas 12/7	1220	920mm	1.3mm	1 Lin Metre

Further Information

Material Safety Data Sheet	S-Tex Silica Continuous Filament Textiles MSDS

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