



KERAMAB

Pakninger

Indhold

Ecomab® Twisted Specialty Glass Fibre Rope - 1200°C	3
Ecomab® Braided Specialty Glass Fibre Packing - 1200°C	4
Ecomab® Specialty Glass Fibre Webbing - 1200°C	5
Ecomab® Braided Specialty Glass Fibre Sleaving - 1200°C	6
Ecomab® Specialty Glass Fibre Cloth - 1200°C	7
Ecosil® Twisted Rope - 1000°C	8
Ecosil® Silica Tape - 1000°C	9
Ecosil® Braided Sleaving 1000°C	10
Ecosil® Braided Packing 1000°C	11
Twisted Ecotex 750 HT Rope - 750°C	12
Braided Ecotex 750 HT Fibre Packing - 750°C	13
Braided Ecotex 750 HT Fibre Sleaving - 750°C	14
Fiberfrax Durablanket S - 1250°C	15
Fiberfrax Durablanket S - 1250°C	16
Insulfrax® LT Blanket - 1200 °C	17
Insulfrax® LT Blanket - 1200 °C	18
The Golden Super® Rope - 1000 °C	19
Thermofix - 1100 °C	20
Vitrolux produkter	21

Ecomab® Twisted Specialty Glass Fibre Rope - 1200°C

Twisted Rope is produced from a number of yarns, twisted together. The diameter of the rope is determined by the number and thickness of the yarns used.

Ecomab® Twisted Rope is a soft, resilient product and can be enclosed in wire mesh or Ecomab cloth to make gaskets and other seals. When the rope is coated with graphite, an increase in lubricity results.

Ecomab® Twisted Rope is reinforced with glass (650°C) or metal wire (1050°C) and contains approximately 20 % organic carrier fibre to facilitate the carding process. The carrier fibre burns out at a low temperature, but this has no effect on the properties of the specialty glass fibre.

Chemical Properties

Ecomab® Twisted Rope exhibits excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalis. No water of hydration is present.

Availability

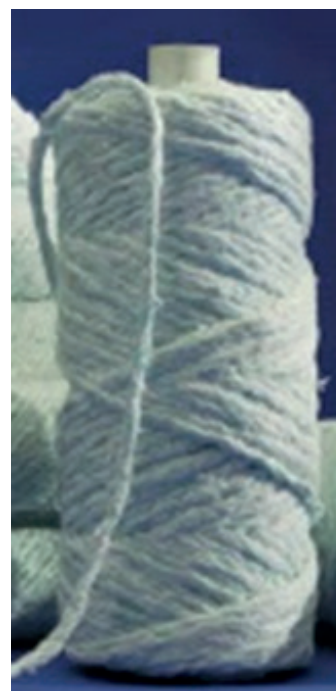
Ecomab® Twisted Rope is available in the following diameter sizes: 3 - 50 mm.

Applications

- Door seals for stoves and ovens
- Door seals for coke furnaces (steel industry)
- Thermal insulation of electrical wiring
- With additional braiding: seals of inspection doors
- With special impregnation: gastight seal of boiler sections
- Wrapping round pipes (thermal insulation)

Typical Physical Properties

Average density	500 kg/m ³
Colour	Greenish
Basic composition	Silica-Calcium
Continuous use limit	Reinforced with glass: 650°C Reinforced with metal wire: 1050°C
Melting point	> 1330°C



Ecomab® Braided Specialty Glass Fibre Packing - 1200°C

Braided Packing is produced from various types of yarn and can be supplied in round, square or rectangular section.

Ecomab® braided packing is a high density, high strength product with low compressibility and is especially recommended for heavy duty applications. When the packing is coated with graphite, an increase in lubricity results.

Ecomab® braided packing is reinforced with glass (650°C) or metal wire (1050°C) and contains approximately 20 % organic carrier fibre to facilitate the carding process. The carrier fibre burns out at a low temperature, but this has no effect on the properties of the speciality glass fibre.

Chemical Properties

Ecomab® braided packing exhibits excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalis. No water of hydration is present.

Availability

Ecomab® braided packing is available in the following diameter sizes: 5 - 60 mm, section sizes 5 x 5 - 60 x 60 mm. Other dimensions and rectangular sizes available on request.

Applications

- Static seals in (steam)boilers and (coke)furnaces
- Kiln car seals
- Seals in heat exchangers
- Seals between filter elements
- Wrapping of exhausts

Typical Physical Properties

Average density	550 - 600 kg/m ³
Colour	Greenish
Basic composition	Silica - Calcium
Continuous use limit	Reinforced with glass: 650°C Reinforced with metal wire: 1050°C
Melting point	>1330 °C

Ecomab® Specialty Glass Fibre Webbing - 1200°C

Tape is produced by weaving a number of plied yarns. The width and thickness are determined by the number and thickness of the yarns used.

Ecomab® tape is a soft resilient product, available in a number of different thicknesses and constructions to provide a comprehensive HT range.

Ecomab® tape is reinforced with glass (650°C) or metal wire (1050°C) and contains approximately 20% organic carrier fibre to facilitate the carding process. The carrier fibre burns out at a low temperature, but this has no effect on the properties of the specialty glass fibre.

“Ladder tapes” are also available. This type of webbing has regular perforations in the middle, one-third of the width, to produce a ladder like structure. The webbing can be supplied with self adhesive backing, with various special coatings and also with one side aluminium foil (radiation temperature 1000°C).

Chemical Properties

Ecomab® tape exhibits excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalis. No water of hydration is present.

Availability

Ecomab® tape is available in the following thicknesses: 2-5 mm, width 10-200 mm. Other sizes available on request.

Applications

- Fire-resistant curtains
- Insulation linings
- Protective clothing
- Wrapping of exhausts
- Controlled cooling of castings
- Flange jointing with openings for bolts
- Insulation of gas and steam turbines (ladder tapes)
- Welding curtains
- Radiant heat shields

Typical Physical Properties

Average density	500 - 850 kg/m ³
Colour	Greenish
Basic composition	Silica - Calcium
Continuous use limit	Reinforced with glass: 650°C Reinforced with metal wire: 1050°C
Melting point	>1330°C



Ecomab® Braided Specialty Glass Fibre Sleeving - 1200°C

Sleeving is produced by braiding several types of yarn into a circular tube.

Ecomab® braided sleeving is a flexible HT tubular textile product for the protection and the insulation of hoses, pipes, cables or wires. Keramab N.V. has in-house facilities to apply the protective braiding directly on the flexible products. It contains approximately 20% organic carrier fibre to facilitate the carding process. The carrier fibre burns out at a low temperature, but this has no effect on the properties of the speciality glass fibre.

Ecomab® braided sleeving is reinforced with glass (650°C) or metal wire (1050°C). For electrical applications glass reinforcement is recommended.

Chemical Properties

Ecomab® braided sleeving exhibits excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalis.

No water of hydration is present.

Availability

Ecomab® braided sleeving is available in the following diameter sizes: 8 - 60 mm. Other sizes available on request.

Applications

- Cable and wire insulation (thermal and/or electrical)
- Fuel line insulation
- Pipe hanger insulation
- Thermal insulation of steam-pipes in wells
- Wrapping of exhausts
- Keramab N.V. has in-house facilities to apply the protective braiding directly on the flexible products.

Typical Physical Properties

Average density	200 - 600 kg/m ³
Colour	Greenish
Basic composition	Silica - Calcium
Continuous use limit	Reinforced with glass: 650°C Reinforced with metal wire: 1050°C
Melting point	>1330°C

Ecomab® Specialty Glass Fibre Cloth - 1200°C

Cloth is produced by weaving a number of plied yarns. The width and thickness are determined by the number and thickness of the yarns used.

Ecomab® cloth is a soft resilient product, available in a number of different thicknesses and constructions to provide a comprehensive HT range.

Ecomab® cloth is reinforced with glass (650°C) or metal wire (1050°C) and contains approximately 20% organic carrier fibre to facilitate the carding process. The carrier fibre burns out at a low temperature, but this has no effect on the properties of the specialty glass fibre.

Chemical Properties

Ecomab® cloth exhibits excellent chemical stability resisting attack from most corrosive agents.

Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalis. No water of hydration is present.

Availability

Ecomab® cloth is available in the following thicknesses: 2 and 3 mm, width 1000 mm. Other sizes available on request.

Applications

- Fire-resistant curtains
- Insulation linings
- Protective clothing
- Wrapping of exhausts
- Controlled cooling of castings
- Radiant heat shields
- Insulation of gas and steam turbines
- Welding curtains

Typical Physical Properties

Average density	500 kg/m ³
Colour	Greenish
Basic composition	Silica - Calcium
Continuous use limit	Reinforced with glass: 650°C Reinforced with metal wire: 1050°C
Melting point	>1330°C

Ecosil® Twisted Rope - 1000°C

Ecosil® twisted silica rope is produced from a number of texturized, twisted silica yarns. The diameter of the rope is determined by the number and thickness of the Ecosil® silica yarns used.

Ecosil® silica twisted ropes are made from texturized continuous filament yarns with a diameter exceeding 6 micron and consequently exceed the critical range of 3 micron.

Chemical Properties

Ecosil® twisted silica rope exhibits excellent chemical stability resisting attack from most organic and corrosive agents with exception of hydrofluorid acids, phosphoric acids and concentrated alkalis.

Ecosil® silica twisted ropes have excellent physical properties and high mechanical strength.

Availability

Ecosil® twisted silica ropes are available in the following diameters: 3-15 mm.

Applications

- Door seals for stoves and ovens
- Door seals for coke furnaces (steel industry)
- Thermal insulation of electrical wiring
- With additional braiding: seals of inspection doors
- With special impregnation: gastight seal of boiler sections
- Wrapping round pipes (thermal insulation)

Typical Physical Properties

Colour	White	
Chemical composition	SiO ₂	94,00 - 96,00 %
	Al ₂ O ₃	2,50 - 4,50 %
Linear shrinkage	5 - 12 %	(depending on the applications)
Continuous use limit	1000°C	(short term 1100°C)
Melting point	>1550°C	

Ecosil® Silica Tape - 1000°C

Tape is produced by weaving a number of texturized and twisted silica yarns. The width and hickness is determined by the number and thickness of the yarns used.

Ecosil® silica tapes are available in a number of different thickness and constructions to provide a comprehensive HT range.

Ladder tapes are also available. This type of webbing has regular perforations in the middle, one-third of the width, to produce a ladder like structure. The webbing can be supplied with self-adhesive backing, with various special coatings such as Vermiculite but also with one side aluminium foil (radiation temperature 1000°C).

Ecosil® silica tapes are made from texturized continuous filament yarns with a diameter of exceeding 6 micron and consequently exceed the critical range of 3 micron.

Chemical properties

Ecosil® silica tape exhibits excellent chemical stability, resisting attack from most organic agents, water and hot acids with exception of hydrofluorid acid, phosphoric acid and strong caustics.

Ecosil® silica tapes have excellent physical properties and high mechanical strength.

Availability

Ecosil® silica tape is available in the following thicknesses: 1,5 - 5 mm, width 10 - 1000 mm. Other sizes (8 mm till 20 mm thickness) are available on request.

Applications

- Fire-resistant curtains
- Wrapping of exhausts
- Flange jointing with openings for bolts (ladder tape)
- Radiant heat shields
- Insulation linings
- Controlled cooling of castings
- Welding curtains

Typical Physical Properties

Colour	White	
Chemical compositions	SiO ₂	94,00 - 96,00 %
	Al ₂ O ₃	2,50 - 4,50 %
Linear shrinkage	5 - 12 %	(depending on the applications)
Continuous use limit	1000°C	(short term 1100°C)
Melting point	>1550°C	

Ecosil® Braided Sleeving 1000°C

Sleeving is produced by braiding several types of texturized silica-yarn into a circular tube.

Ecosil® silica braided sleeving is a flexible HT tubular textile product for the protection and the insulation of hoses, pipes, cables or wires. In-house facilities to apply the protective braiding directly on the flexible products are available.

The texturized continuous filament yarns have a diameter exceeding 6 micron and consequently they exceed the critical range of 3 micron.

Chemical Properties

Ecosil® silica braided sleeving exhibits excellent chemical stability, resisting attack from most organic agents, water and hot acids with exception of hydrofluorid acid, phosphoric acid and strong caustics.

Ecosil® silica sleeving has excellent physical properties and high mechanical strength.

Availability

Ecosil® braided sleeving is available in the following diameter sizes: 7-100 mm. Other sizes are available on request.

Applications

- Cable and wire insulation (thermal and/or electrical)
- Fuel line insulation
- Pipe hanger insulation
- Thermal insulation of steam-pipes in wells
- Wrapping of exhausts

Typical Physical Properties

Colour	White	
Chemical composition	SiO ₂	94,00 - 96,00 %
	Al ₂ O ₃	2,50 - 4,50 %
Linear shrinkage	5 - 12 %	(depending on the applications)
Continuous use limit	1000°C	(short term 1100°C)
Melting point	>1550°C	

Ecossil® Braided Packing 1000°C

Ecossil® silica braided packing is produced from various types of texturized silica-yarn and can be supplied in round, square or rectangular section.

Ecossil® silica braided packing consists of a core made from texturized, continuous silica yarns twisted in rope, overbraided with texturized, continuous twined silica yarns. The silica yarn has a diameter of 6 microns.

Chemical Properties

Ecossil® silica braided packing exhibits excellent chemical stability, resisting attack from most organic agents, water and hot acids with exception of hydrofluorid acid, phosphoric acid and strong caustics.

Ecossil® silica braids have excellent physical properties and high mechanical strength.

Availability

Ecossil® silica braided packing is available in the following diameter sizes: 5-60 mm, section sizes: 5 x 5 - 60 x 60 mm. Other dimensions and rectangular sizes are available on request.

Applications

- Static seals in (steam) boilers and (coke) furnaces
- Kiln car seals
- Seals in heat exchangers
- Seals between filter elements
- Wrapping of exhausts

Typical Physical Properties

Average density	500 - 1500 kg/m ³	
Colour	White	
Chemical composition	SiO ₂	94,00 - 96,00 %
	Al ₂ O ₃	2,50 - 4,50 %
Linear shrinkage	5 - 12 %	(depending on the applications)
Continuous use limit	1000°C	(short term 1100°C)
Melting point	>1550°C	

Twisted Ecotex 750 HT Rope - 750°C ml

Twisted Rope is produced from a number of yarns, twisted together. The diameter of the rope is determined by the number and thickness of the yarns used.

Twisted Ecotex 750 HT Rope is a soft, resilient product and can be enclosed in wire mesh or HTGlass webbing to make gaskets and other seals. When the rope is coated with graphite, an increase in lubricity results.

Twisted Ecotex 750 HT Rope is made from texturized, continuous HT-Glass fibre filaments up to a maximum of 9 microns. These fibres cause considerably less irritation of the skin than the coarser fibres.

Chemical Properties

Twisted Ecotex 750 HT Rope exhibits excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalis. No water of hydration is present. Excellent die-electrical strength.

Availability

Twisted Ecotex 750 HT Rope is available in the following diameter sizes: 3-50 mm.

Applications

- Door seals for stoves and ovens
- Door seals for coke furnaces (steel industry)
- Thermal insulation of electrical wiring
- With additional braiding: seals of inspection doors
- With special impregnation: gastight seal of boiler sections
- Wrapping round pipes (thermal insulation)

Typical Physical Properties

Average density	550 - 800 kg/m ³
Colour	Yellow
Basic composition	Silica
Continuous use limit	750°C
Melting point	840°C

Braided Ecotex 750 HT Fibre Packing - 750°C

Braided Packing is produced from various types of yarn and can be supplied in round, square or rectangular section.

Braided Ecotex 750 HT packing is a high density, high strength product with low compressibility and is especially recommended for heavy duty applications. When the packing is coated with graphite, an increase in lubricity results.

Braided Ecotex 750 HT packing is made from texturized, continuous HT-Glass fibre filaments up to a maximum of 9 microns. These fibres cause considerably less irritation of the skin than the coarser fibres.

Chemical Properties

Braided Ecotex 750 HT packing exhibits excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalies. No water of hydration is present. Excellent die-electrical strength.

Availability

Braided Ecotex 750 HT packing is available in the following diameter sizes: 5 - 60 mm, section sizes: 5 x 5 - 60 x 60 mm. Other dimensions and rectangular sizes available on request.

Applications

- Static seals in (steam)boilers and (coke)furnaces
- Kiln car seals
- Seals in heat exchangers
- Seals between filter elements
- Wrapping of exhausts
- Keramab N.V. has in-house facilities to apply the protective braiding directly on the flexible products

Typical Physical Properties

Average density	1100 kg/m ³
Colour	Yellow
Basic composition	Silica
Continuous use limit	750°C
Melting point	840°C



Braided Ecotex 750 HT Fibre Sleeving - 750°C

Sleeving is produced by braiding several types of yarn into a circular tube.

Braided Ecotex 750 HT sleeving is a flexible HT tubular textile product for the protection and the insulation of hoses, pipes, cables or wires. Keramab N.V. has in-house facilities to apply the protective braiding directly on the flexible products.

Braided Ecotex 750 HT sleeving is made from texturized, continuous HT-Glass fibre filaments up to a maximum of 9 microns. These fibres cause considerably less irritation of the skin than the coarser fibres.

Chemical Properties

Braided Ecotex 750 HT sleeving exhibits excellent chemical stability resisting attack from most corrosive agents. Exceptions are hydrofluoric acids and phosphoric acids and concentrated alkalis. No water of hydration is present. Excellent die-electrical strength.

Availability

Braided Ecotex 750 HT sleeving is available in the following diameter sizes: 8-60 mm. Other sizes available on request.

Applications

- Cable and wire insulation (thermal and/or electrical)
- Fuel line insulation
- Pipe hanger insulation
- Thermal insulation of steam-pipes in wells
- Wrapping of exhausts

Typical Physical Properties

Average density	200 - 600 kg/m ³
Colour	Yellow
Basic composition	Silica
Continuous use limit	750°C
Melting point	840°C

Two overlapping triangles, one green and one grey, pointing towards the right.

Fiberfrax Durablanket S - 1250°C

The Fiberfrax Durablanket family of lightweight needled blankets are manufactured from Fiberfrax refractory ceramic fibres and provide effective solutions to a variety of thermal management problems.

Fiberfrax Durablanket products offer superior insulating performance, excellent chemical resistance, flexibility and resilience.

Fiberfrax Durablanket products are completely inorganic and so retain their strength, flexibility and thermal properties in many working environments, without the generation of smoke or fumes. Available in a wide range of density and thickness combinations, the Fiberfrax Durablanket range is one of the most versatile available to the market today.

General Characteristics

Fiberfrax Durablanket products have the following outstanding characteristics:

- High temperature stability
- Low thermal conductivity & heat storage
- High tensile strength & resiliency
- Resistance to thermal shock & chemical attack
- Good sound absorption

Typical Applications

- High temperature furnace and kiln linings
- Boiler insulations
- High temperature gaskets and seals
- Pipe and duct insulation

Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval.

Fiberfrax Durablanket S

Fiberfrax Durablanket S is a premium grade product made from spun 1250°C ceramic fibres. The extra long spun fibres make it one of the strongest blankets available. This coupled with its superior resilience make it particularly tough and suitable for applications involving further handling or in difficult environments. Individual data sheets are available for the other products in the Durablanket range.

Fiberfrax Durablanket S - 1250°C

Typical Product Parameters

Typical Chemical Analysis (wt.%)

SiO ₂	53,0 - 58,0
Al ₂ O ₃	42,0 - 47,0
Alkalis	< 0,25
Fe ₂ O ₃ + TiO ₂	< 0,2

Physical Properties

Colour	White
Classification temperature (°C)*	1250
Melting point (°C)	1760
Mean fibre diameter (microns)	3,25
Specific heat at 1000°C (J/kgK)	1140

Permanent Linear Shrinkage (%) 24 hours soak 1250°C	2,6
---	-----

Density (kg/m ³)	64, 96, 128, 160
------------------------------	------------------

Thermal Conductivity (W/mK)

Mean Temp.	64	96	128	160
200°C	0,057	0,056	0,052	0,058
400°C	0,088	0,087	0,080	0,080
600°C	0,180	0,140	0,120	0,110
800°C	0,270	0,220	0,180	0,160
1000°C	0,420	0,360	0,280	0,210
1200°C	0,658	0,560	0,446	0,298

Tensile Strength (kPa)	35	55	75	95
------------------------	----	----	----	----

Handling Information

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.

* Classification Temperature is not a definition of the operational limit of these products, especially when long term physical or dimensional stability is a factor. For certain applications continuous use temperature limits may be significantly reduced.

For assistance or clarification please contact us. Where appropriate Physical Properties data measured according to EN 1094-1.

Availability

Thickness mm	Density kg/m ³				Roll Length m
	64	96	128	160	
13		✓	✓	✓	14,64
19	✓	✓	✓	✓	10,00
25	✓	✓	✓	✓	7,32
38	✓	✓	✓	✓	5,00
50	✓	✓	✓		3,66

Standard roll width is 610mm. Other thicknesses/sizes may be available on request subject to minimum order requirements.

Versions with aluminium foil and other coverings are available subject to order.

Insulfrax® LT Blanket - 1200 °C

Insulfrax® LT Blanket is the latest addition to our Insulfrax Blanket range. This blanket offers the same benefits as the other Insulfrax blankets but with physical properties enhanced to improve thermal performance.

Insulfrax® LT Blankets are completely inorganic and so retain their strength, flexibility and thermal properties in any working environments, without the generation of smoke or fumes. Available in a range of density and thickness combinations. Insulfrax® LT Blankets can be used in a wide variety of applications and are especially suited to use as high temperature wraps and heat shields.

General characteristics

Insulfrax® LT Blankets products have the following outstanding characteristics:

- Exceptional insulating properties
- High temperature stability (up to 1200°C)
- Resistance to thermal shock
- Good handling strength
- Excellent flexibility
- Good sound absorption

Typical applications

- Furnace and kiln linings
- Boiler insulations
- Passive fire protection
- Pipe, duct and chimney insulation
- Heat shields
- Mould wrap insulation



Any new and/or special use of these products, whether or not in an application listed in our literature, must be submitted to our technical department for their prior written approval.

Handling Information

A Material Safety Data Sheet has been issued describing the health, safety and environmental properties of this product, identifying the potential hazards and giving advice on handling precautions and emergency procedures. This must be consulted and fully understood before handling, storage or use.

Insulfrax® LT Blanket - 1200 °C

Typical Product Parameters

Typical	Chemical Analysis (wt. %)
SiO ₂	61,0 - 67,0
CaO	27,0 - 33,0
MgO	2,5 - 6,5
Al ₂ O ₃	< 1,0
Fe ₂ O ₃	< 0,6

Physical Properties

Colour	White
Classification temperature	1200°C
Melting point	> 1330°C
Mean fibre diameter (microns)	4,0

Permanent Linear Shrinkage (%) 24 hours soak
1200°C 1,0

Density (kg/m³) 96, 128, 160

Availability

Thickness mm	Density kg/m ³			Roll Length m
	96	128	160	
6	✓	✓		22,00
13	✓	✓	✓	14,64
25	✓	✓	✓	7,32
38	✓	✓	✓	5,00
50	✓	✓	✓	3,66

Standard roll width is 610 mm or 1220 mm.
Other thicknesses/sizes may be available on request subject to minimum order requirements.
Versions with aluminium foil and other coverings are available subject to order.

Thermal Conductivity (W/mK)

Mean temp.	96	128	160
200°C	0,06	0,05	0,05
400°C	0,09	0,08	0,05
600°C	0,14	0,12	0,11
800°C	0,20	0,18	0,15
1000°C	0,29	0,25	0,21

*Classification Temperature is not a definition of the operational limit of these products, especially when long term physical or dimensional stability is a factor. For certain applications continuous use temperature limits may be significantly reduced. For assistance or clarification please contact us. Where appropriate Physical Properties data measured according to EN 1094-1.

Tensile strength (kPa)	96	128	160
	60 kPa	80 kPa	100 kPa

Two overlapping triangles, one green and one grey, pointing towards the right.

The Golden Super[®] Rope - 1000 °C

The Golden Super[®] Rope - a high temperature resistant world class joint, with high mechanical resistance.

The Golden Super[®] Rope is a unique high temperature and mechanical resistant seal. Due to its high density, the Golden Super[®] Rope can be used in those applications where mechanical resistance is of high importance.

The Golden Super[®] Rope exhibits excellent chemical stability, resisting attack from most corrosive agents.

The special impregnation increases the temperature resistance and heat reflection and improves the non-wetting properties in case of molten metal splashes as well as the gas tightness of the rope.

The use of the Golden Super[®] Rope will save you labor costs, reduces maintenance costs, reduces dust and has no Health & Safety issues.

The Golden Super[®] Rope is available in round, square or rectangular shapes.

Advantages Golden Super[®] Rope

- High temperature resistant
- Excellent chemical stability
- Reduces dust
- Lifetime extended >7 times
- Reduces maintenance costs
- Reduces energy costs
- No Health & Safety issues

Applications

- Crucible lid joint in the aluminium industry
- Furnace door seals
- Generally in all cases where a heavy duty seal is required

Thermofix - 1100 °C

Thermofix is a ready for use glue used for sealing and fixing. Its formula containing alkaline silicates and mineral components provides a temperature resistance up to 1100°C.

Applications

Thermofix has a good adherence on the fibrous products, metals, refractories and on any kind of building material, that is why it can be used for:

- The fixing of packings (ceramic fibre, glass fibres, Ecomab fibres)
- The fixing of refractory products on metal parts subjected to the high temperatures
- The joining of sheets, sleeves and other refractory products
- The assembly of refractory bricks in furnaces and heating appliances.

Technical characteristics

Form	Consistent paste, not running
Colour	Beige
PH	11,5 ± 1,0
Viscosity Brookfield RVT-D	1700 ± 500 Pa.s (to 1 tr/min and 20°C)
Density	1,81 ± 0,05
Dry extract	72.5 ± 2 %

Maximum granulometry of the loads lower than 100 microns
Fireproof (does not release any fume).

Users Guidelines

- The supports must be cleaned and must be dust and grease free
- Apply the Thermofix on the parts that should be assembled (on the insulating materials, the glue can be applied using a trowel or a spatula)
- Position the parts that should be assembled by putting pressure on it for a few seconds to allow the glue to spread out and progress the transfer of the glue on the supports.
- In the case of fixing packings on inserts, deposit a cord of glue in the insert, then apply the packing to the glue and exert pressure to maintain it in place
- Let it dry for approximately 48 hours at ambient temperature before going up gradually in temperature without putting the assembly at direct contact with the flame. The material shall be cleaned with water.

Standard Packaging

30 gr/17 ml
115 gr/70 ml
500 gr/310 ml
800 gr/480 ml
15 kg
25 kg

Storage

At least 12 months closed in its original packing at a temperature ranging between +5°C and +30°C. Continuous prolonged storage at higher temperatures can, in certain cases, lead to deterioration of the characteristics of the product.

Vitrolux produkter



In addition to our well known Keramab's High Temperature Textile Products, we recently introduced a new textile product to our wide range of products; the Vitrolux® product line.

Vitrolux® is a high quality, fine braided E-Glass product line, which has a temperature resistance up to 600°C.

Vitrolux® products can be applied in various industries, but are especially suitable and successfully applied in domestic appliances, like burners, chimneys, ovens, cookers, stoves, etc.

Main characteristics of the products are;

- Halogen free
- Fire proof
- Inorganic
- Incombustible
- Resistant to oils, solvents and most chemicals
- Very good resilience.

Our Vitrolux® product line consists out of E-glass sleeves, tadpoles, tapes and ropes in various sizes.

Beside the basic product line, which we offer in various dimensions, we are able to add a self-adhesive layer, additional stitching, cord or wire mesh filling and/or black impregnation.



INSULCON
LEADER IN HIGH TEMPERATURE SOLUTIONS

KERAMAB
LEADER IN HIGH TEMPERATURE SOLUTIONS