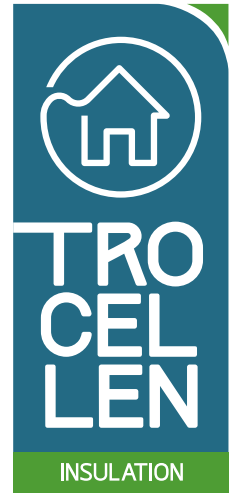


Trocellen HIGH TEMP

Thermal insulation for piping

Thermal insulation



High Temp

TROCELLEN HIGH TEMP is a closed-cell, chemically cross-linked polyethylene foam, finished outside with an embossed scratch-resistant film and coupled with polyester non-woven.

The product is available in sleeves, thicknesses 13 and 20 mm, and in rolls, thicknesses 15 and 20 mm.

It is certified class 1 according to UNI 8457 and UNI 9174.



HIGH TEMP with copper pipe

TROCELLEN HIGH TEMP PIPE INSULATION - SLEEVE RANGE

THICKNESS mm	INTERNAL DIAMETER mm	SLEEVE LENGHT/BOX mm
13	18	150
	22	130
	28	120
20	18	90
	22	80
	28	70
	35	70
	42	60

Net standard lenght 2.0 m - carton box packaging

TROCELLEN HIGH TEMP PIPE INSULATION - ROLL RANGE

THICKNESS mm	ROLL WIDTH m	ROLL LENGTH m
13	1,5	120
20	1,5	120

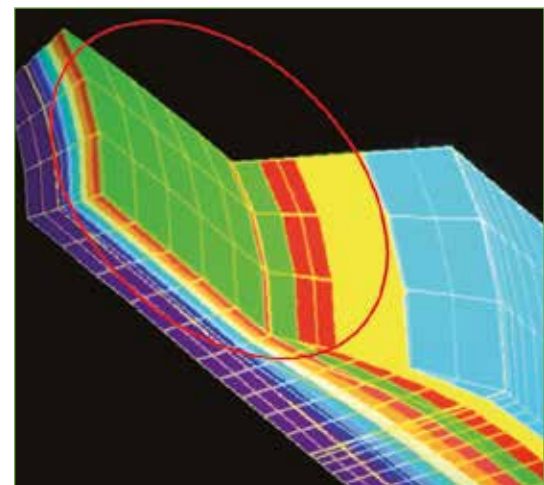
CHARACTERISTICS

TROCELLEN HIGH TEMP is the ideal solution for the thermal insulation of high temperature piping.

CHARACTERISTICS AND ADVANTAGES:

- Made of long lasting closed cell polyethylene insulation foam
- Operating temperature: 180 °C (peak), 150 °C (standard)
- Thermal conductivity coefficient at 10°C: 0,0359 W/mK
- Constant insulation value for at least 23 years, probably longer*
- Fire safe
- Closed cells, in order to inhibit water absorption
- Clean, non toxic, mould and bacteria resistant, odorless
- Flexible enough to follow tight angles and strong enough to withstand rough handling
- For indoor as well as outdoor applications
- Very economical.

* TROCELLEN tested after 23 years of operation found the same insulating value. Test reports available on request.



THE THERMAL BRIDGE

Thermal curve simulation of a partially insulated section of piping containing coolant at 7°C, showing temperature trend.

The environmental conditions mean the dew point=23°C: thermal bridging occurs on the non-insulated surface of the pipe, leading to condensation.

ITEM SPECIFICATIONS

Closed-cell, chemically cross-linked polyethylene foam, finished outside with an embossed scratch-resistant film, colour ivory, and coupled with polyester non-woven.

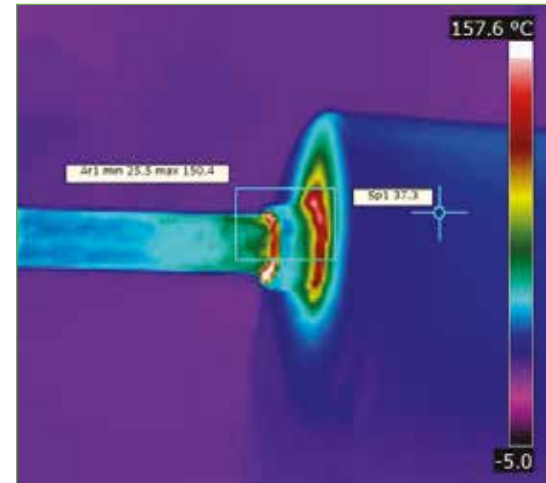
Suitable for the thermal insulation of high temperature piping.

- Operating temperature: 180 °C (peak), 150 °C (standard)
- Reaction to fire: CL1
- Thermal conductivity coefficient at 10 °C (λ -value): 0,0359 W/mK (0,031 kcal/mh°C)
- Water vapour diffusion factor (μ -value) \geq 7000
- Weather tolerant insulation and usable even outdoor.



TECHNICAL DATA

TECHNICAL CHARACTERISTICS	NORM	UNIT	TROCELLEN HIGH TEMPERATURE
Application			Thermal insulation for high temperature piping
Material			Cross-linked Polyethylene foam + Polyester non-woven
Operating temperature	Internal method	°C	180 (peak) - 150 (standard)
Thermal conductivity coefficient at 10 °C (λ -value)	EN 12667	W/mK	0,0359 (PE + PET)
Water vapour diffusion factor (μ -value)	EN ISO 12572	-	\geq 7000
UV rays resistance	EN ISO 4892-2/06	years	1,5 (minimum)
Reaction to fire	UNI 8457/ UNI 9174		CL1



Thermographic image of a pipe insulated with HIGH TEMP

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TROCELLEN*

Trocellen is a multinational company owned by Furukawa Electric Co. Ltd, internationally renowned for the design and manufacture of cross-linked polyolefin foam.

Through its different Business Units, the company is able to meet the specific needs of the market with a wide range of products and solutions.

It manufactures both semi-finished and finished products. The Trocellen products stand out for their manufacturing processes and the many industrial sectors in which they can be used: Insulation, automotive, footwear, sport and leisure, adhesive tapes and packaging. Trocellen makes safety a lifestyle and turns safety into a lifestyle.

Insulation Business Unit

The Insulation Business Unit mainly specialises in Sound and Thermal insulation for the building industry. The goal is to create comfortable environments for people or rather to "help people live better!".

*Trocellen is the member of Furukawa Group.



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