RAITECH® TERMOXIDE® WT-1100

Data Sheet.

The bio-soluble solution for high temperatures up to 1,000°C.

TERMOXIDE® WT-1000 are type "E" glass fibers chemically treated to remove components that melt at high temperatures, with a high content of silicon anhydride, capable of resisting up to 1,000°C (short peaks).

TERMOXIDE® WT-1000 fibers are classified as non-breathable due to their diameter and bio-soluble by the human body, their construction allows them to work with the material, without presenting skin irritation.

It is the most common use is to manufacture welding blankets that protect expensive equipment, cables, and personnel from:

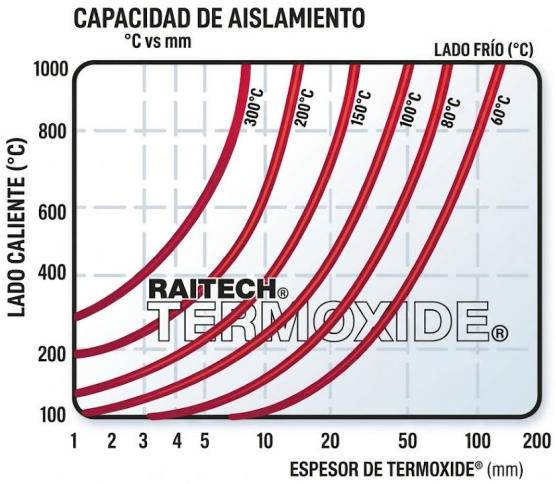
- Incandescent sparks.
- Molten metal splashes (slag).
- Extreme radiant heat during plasma or oxyfuel cutting processes.

It is also used as the outer or inner layer in insulation systems:

- **Removable Thermal Jackets:** Ideal for valves, flanges, and turbines that require frequent maintenance.
- **Steam pipe wrapping:** Helps reduce heat loss and protects operators from accidental burns.
- **Hydraulic Hose Protection:** Prevents external heat or hot slag from degrading the rubber in hoses in foundries or engine rooms.

TECHNICAL DATA

Properties:	**TERMOXIDE® WT-1000**	Tape
Composition:	RAIGLASS® W Fiber (E-Glass with high aluminosilicate content)	
Temperature, Max:	1,832	°F (peak)
Temperature,Continuous:	1,472	°F
Shrinking @ 1796°F, 3hr:	3	%
Tensile strength, µ:	6	
Availability:	**TERMOXIDE® WT-1000**	
Shape:	Flat Tape	
Thickness / Width / Length:	1/8" / 2" / 147 ft	
Tolerances:	±10	%
Notes:	** Above 200°C, the product may smoke, due to the degradation of organic components, without altering its functioning.	



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