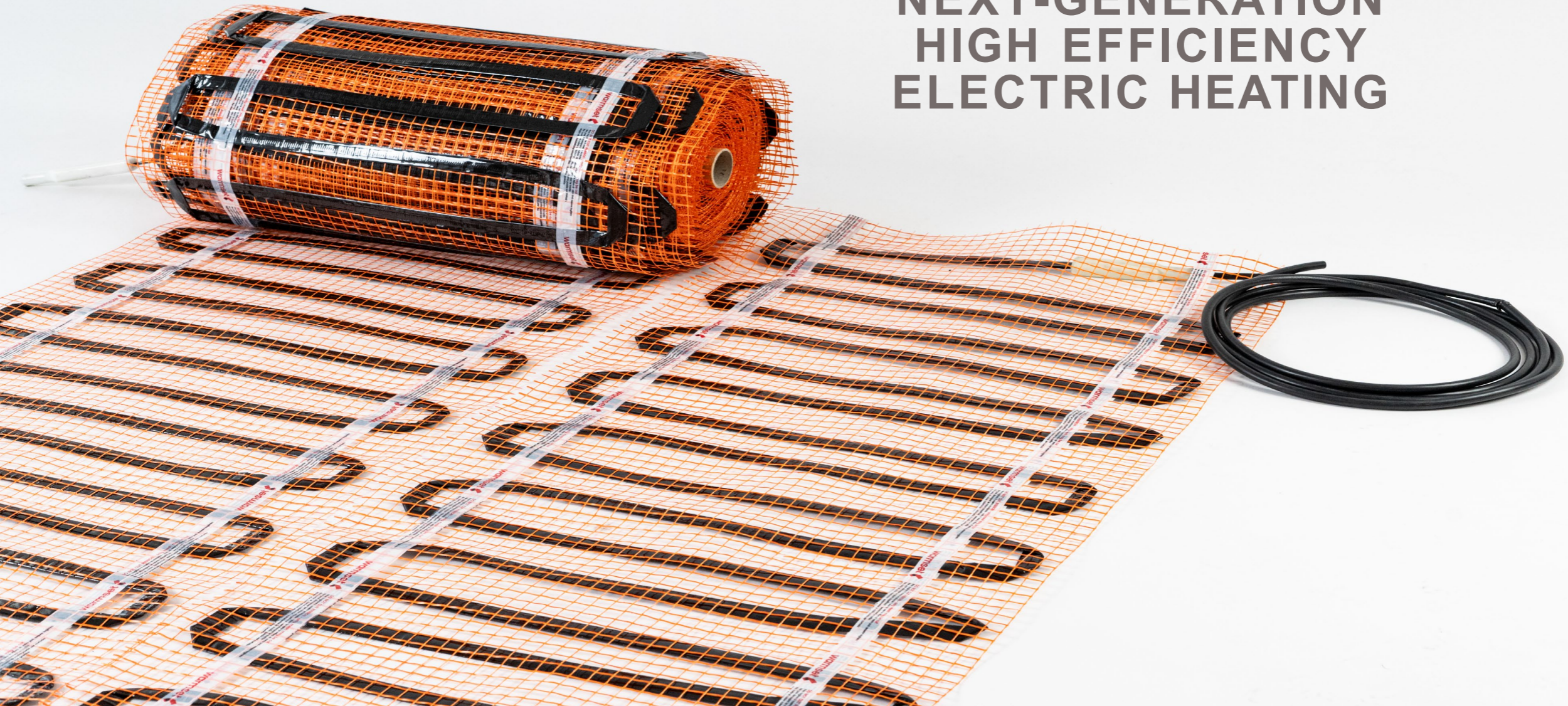



warmset  [®]

**NEXT-GENERATION
HIGH EFFICIENCY
ELECTRIC HEATING**





► **History and Evolution**

► Founded in 1997 as a **converter in the electrical insulation sector.**

► Producer of widely used materials in the sector, with refined technologies and know-how over time.

► **5 lamination/resin coating lines** for the production of flexible materials up to 2300 mm in height.

► **Solventless lamination** technology complemented by "**water-based**" and "solvent-based" versions for a complete product range.

► Daily production capacity of **100,000 square meters** of laminated or resin-coated material.



Filmcutter

warmset

Electrical
Insulation

Specialties

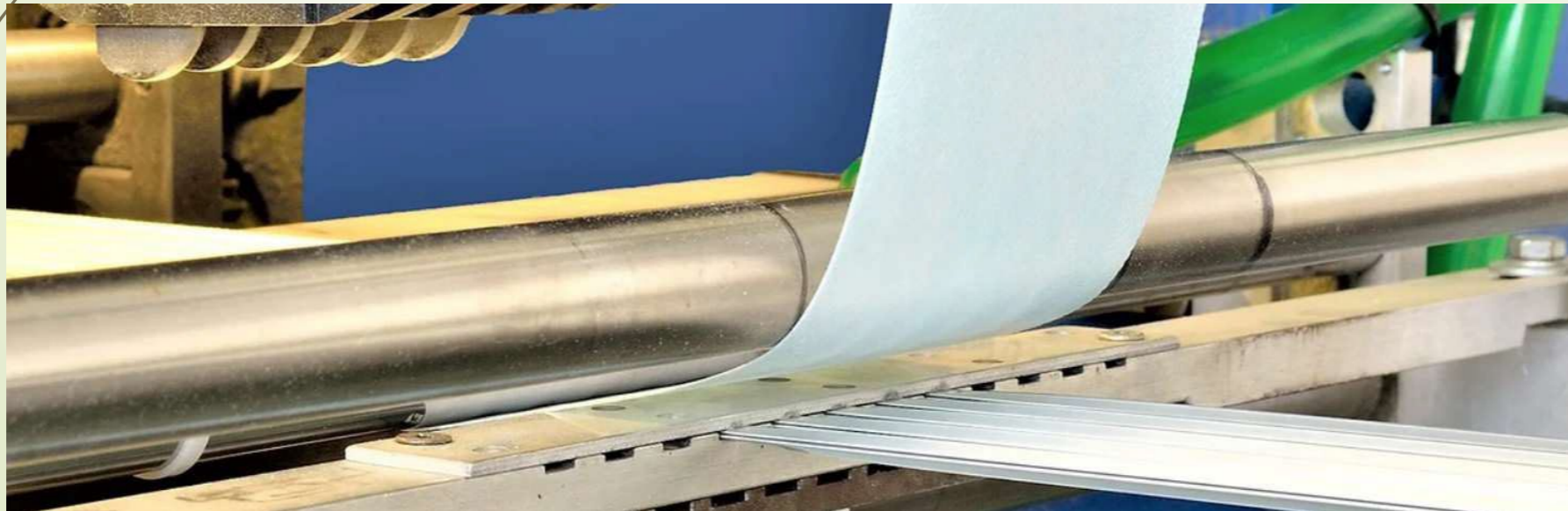
THE TECHNOLOGY

- ▶ An advanced underfloor heating system, designed to provide exceptional **thermal comfort using Far Infrared Radiation technology**, known for its ability to deeply penetrate objects, providing unmatched consistent warmth and comfort at unmatched levels of efficiency.
- ▶ We are committed to quality and craftsmanship: all of **our products are 100% designed and manufactured in Italy.**



LAMINATED HEATING TECHNOLOGY

► Our globally **patented technology**, represents a significant advancement in the field, leveraging decades of expertise and technical leadership. This superior solution is aimed at addressing specific challenges or inefficiencies within the industry. Our innovative approach is revolutionizing the industry, **offering enhanced performance, efficiency, or functionality compared to existing alternatives.**



UNIQUE VALUE PROPOSITION

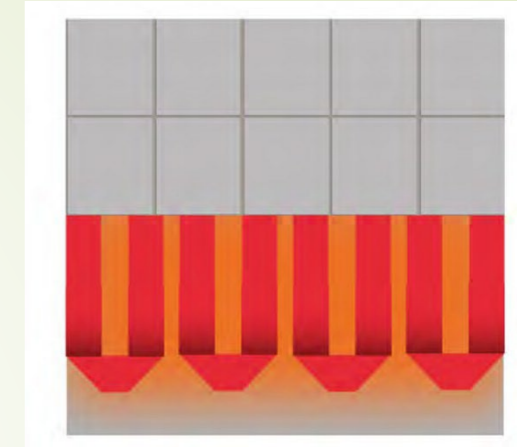


- Innovative design
- 11 layers of high-performance materials
- Extremely reduced material thickness
- 100% recyclable materials

UNIQUE VALUE PROPOSITION

Innovative and clever engineering, delivers energy efficiencies **and superior heating comfort**

- **3x wider heating** strip (17mm)
- **50% more heating surface**
- Powerful heating with **lower operating costs**
- **Fast temperature** reactive times
- **20% potential savings** compared to traditional cable systems
- 40% potential savings compared to furnace/duct systems



Warmset Heating system
with high density



Standard cable system with
low density

What makes Warmset different

Better energetic efficiency

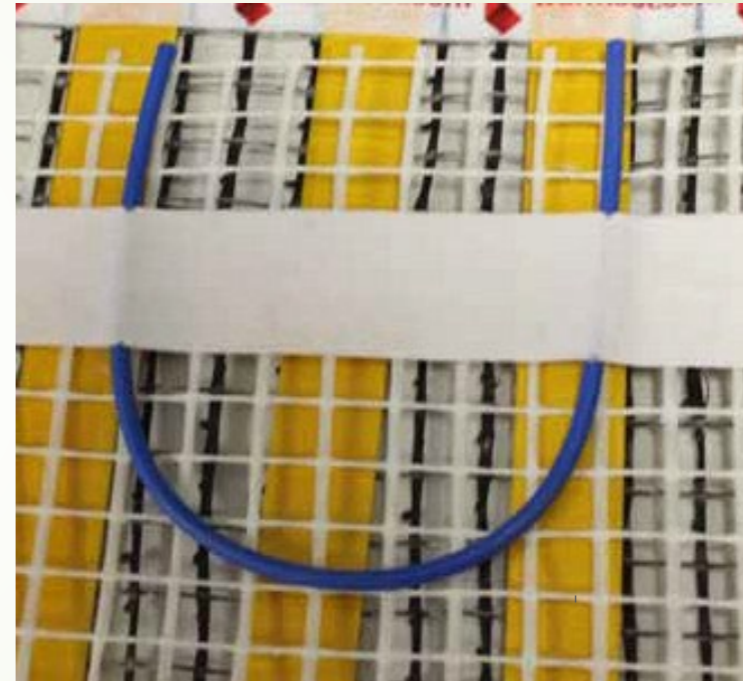
More radiant surface than
tradition systems and
electric wire

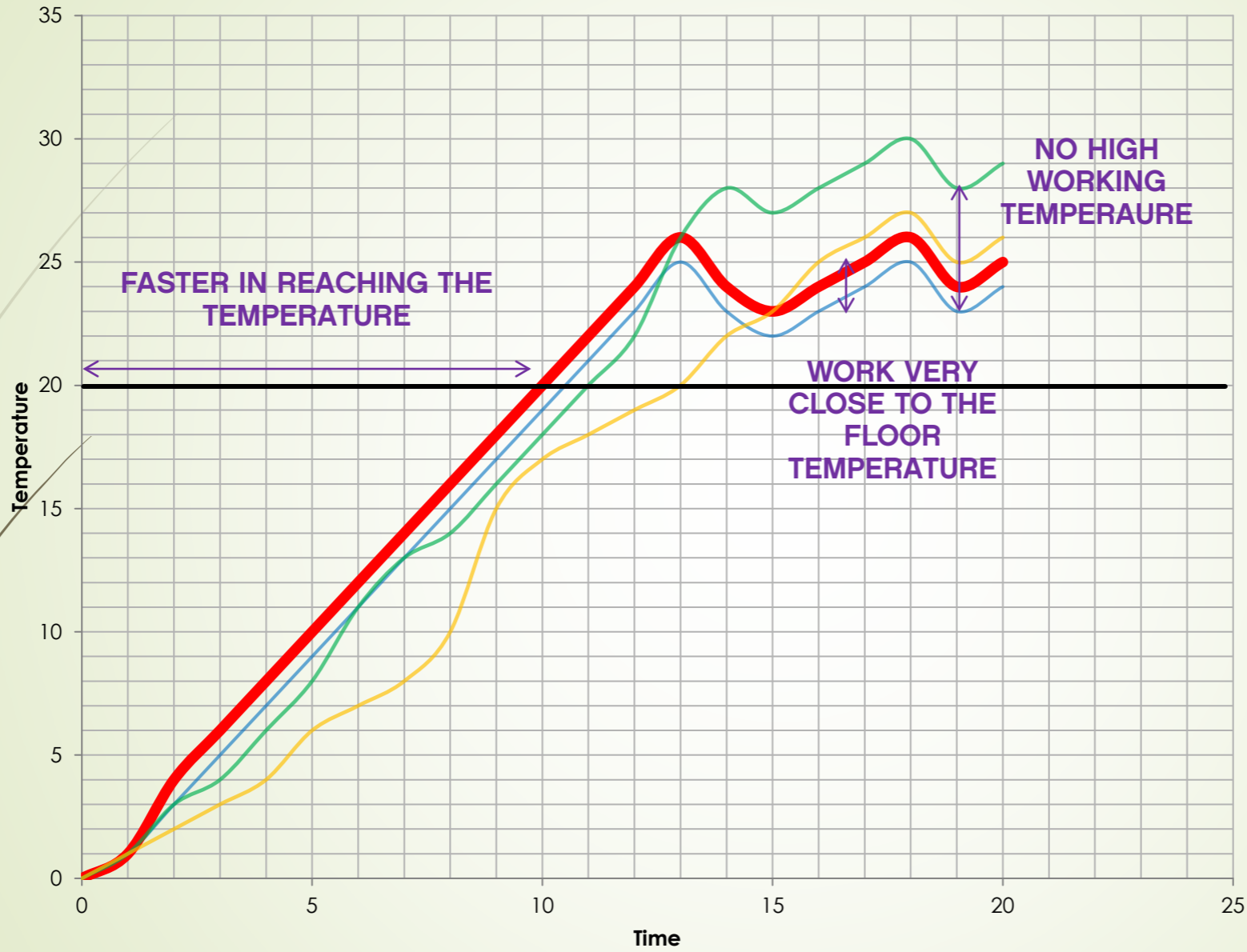
Close gap ribbon to
ribbon



More than 50 % of the entire surface
covered by heating system

BENEFITS





T=20 °C
Set Point
Temperaure

- Floor Temperature
- Warmset Temperature
- Wire Temperature
- Water System Temperature

What makes Warmset different

No EMF - electromagnetic emissions

Thanks to its bifilar structure, the Warmset doesn't produce electromagnetic emissions. Its particular construction, with two conductors laid in parallel, causes the magnetic field produced by a conductor is equal and opposite to the field of the other, creating a sort of shielding that cancels the magnetic field.

This fact ensures a total absence of electromagnetic waves in the house especially for the **safety of children**, more susceptible to these events

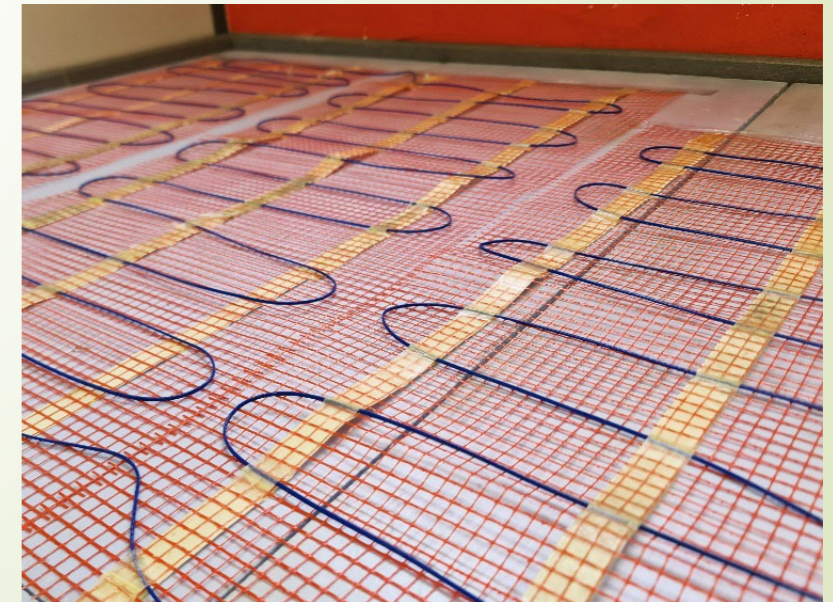
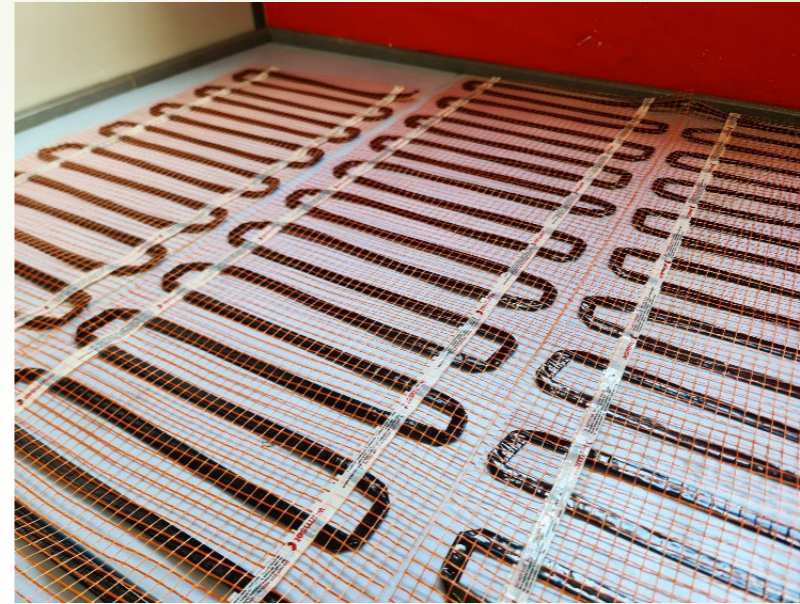
BENEFITS



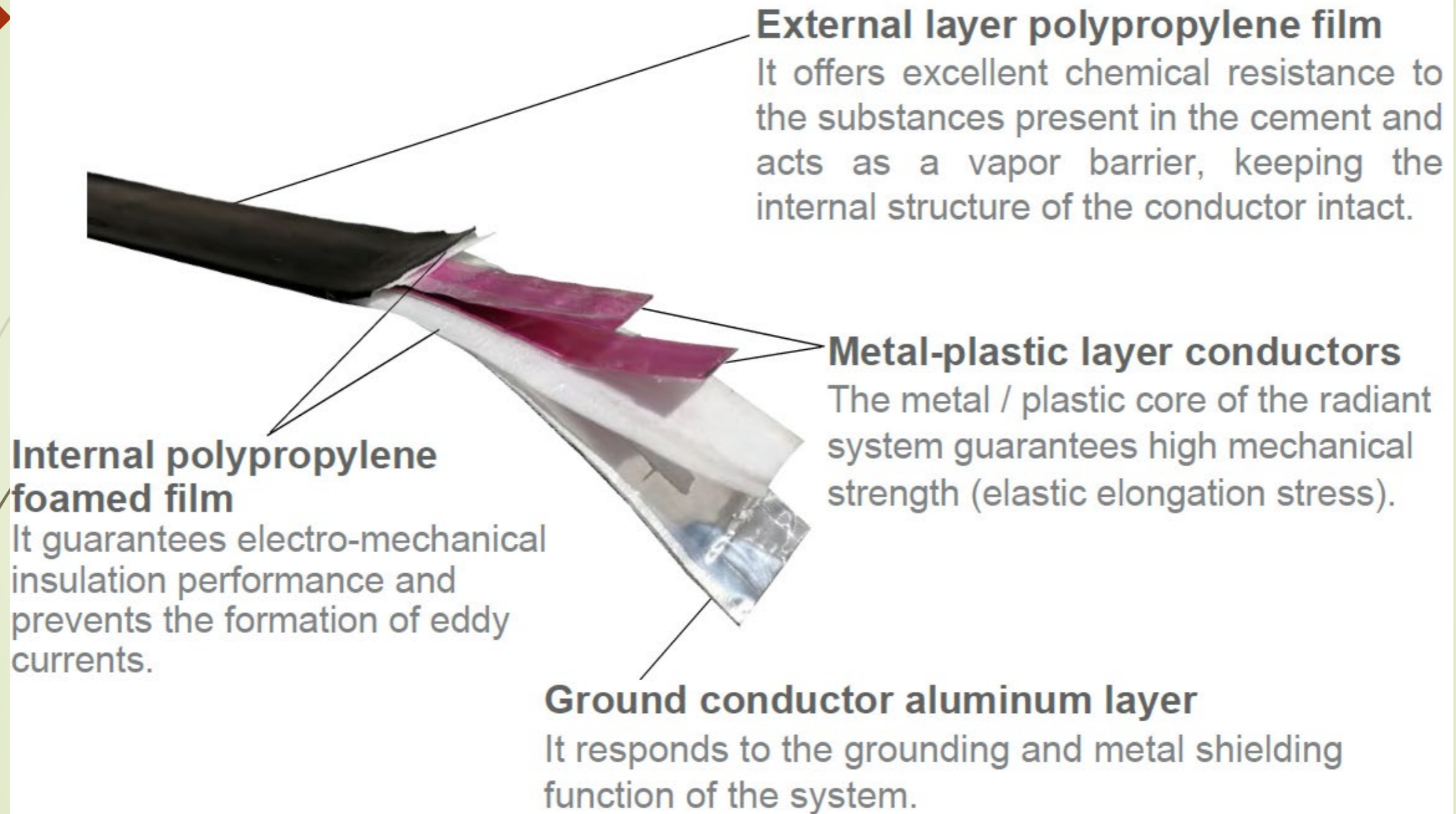
COMPARING SYSTEMS

DIFFERENCE BETWEEN OUR PRODUCT AND THE TRADITIONAL CABLE - MAINLY CHINESE

- **Better heating diffusion** thanks to the flat surface of the heating ribbon;
- **Lower thickness** - Only 3 mm
- **100% made in Italy**
- The heat spreads evenly and the system **faster**
- **Self-adhesive product**, YOU DO NOT NEED TO PRE-GLUE the product



BLACK RIBBON-Warranty 10 years



External layer polypropylene film

It offers excellent chemical resistance to the substances present in the cement and acts as a vapor barrier, keeping the internal structure of the conductor intact.

Metal-plastic layer conductors

The metal / plastic core of the radiant system guarantees high mechanical strength (elastic elongation stress).

Internal polypropylene foamed film

It guarantees electro-mechanical insulation performance and prevents the formation of eddy currents.

Ground conductor aluminum layer

It responds to the grounding and metal shielding function of the system.