



Insulation panels for underfloor heating



Potential

In the market for underfloor heating and cooling



Market growth

Expected market growth rate of 7,5% compounded over the next 5 years



Interest growth

Expected consumer interest growth



Product development

Technical development and improvement of the product

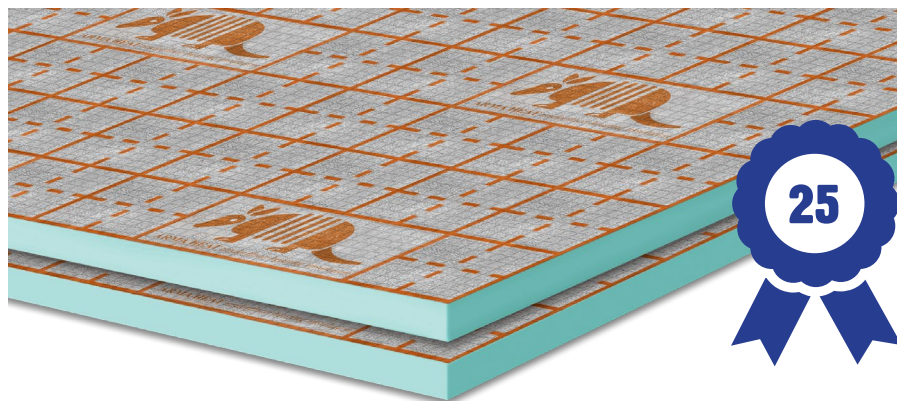
NEW

Description:

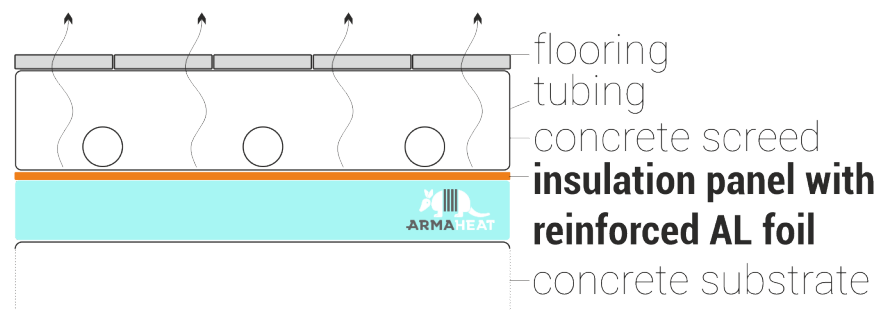
ARMAHEAT XPS AL are insulation panels for underfloor heating and cooling made from:

- Extruded polystyrene FIBRAN xps with high insulation markers;
- Covered in reinforced AL foil for uniform distribution and dispersion of temperature;
- With nominal widths of 20 and 30 mm;
- With on-demand special production orders with a max. width of 180 mm

Image:



Application:



* 25 yrs. guarantee for the persistence of technical characteristics when properly installed and utilized

Technical characteristics:

Technical characteristic	Value	EN standard
Surface	Reinforced AL foil	
Edges	I	
Dimensions	1200 x 600 mm	EN 822
Nominal thickness (d _n)	20, 30 mm	EN 823:2013
Thermal conductivity at t=15 °C (λ)	0,033 W/mK	EN 12667
Compressive strength at 10% deformation (CS)	20mm – 200 kPa 30mm – 250 kPa	EN 826:2013
Prolonged water absorption at full immersion (WL(T))	<0.7 %	EN 1609:2013
Diffuse resistance to water vapors (μ)	50	EN 12086
Flame reaction	Class E	
Thermostability (°C)	-50°C ÷ +75°C	

Logistical characteristics:

Width mm	Dimensions mm	Panels per package	Amount per package m ²
20	1200 x 600	30	21,60
30	1200 x 600	21	15,12

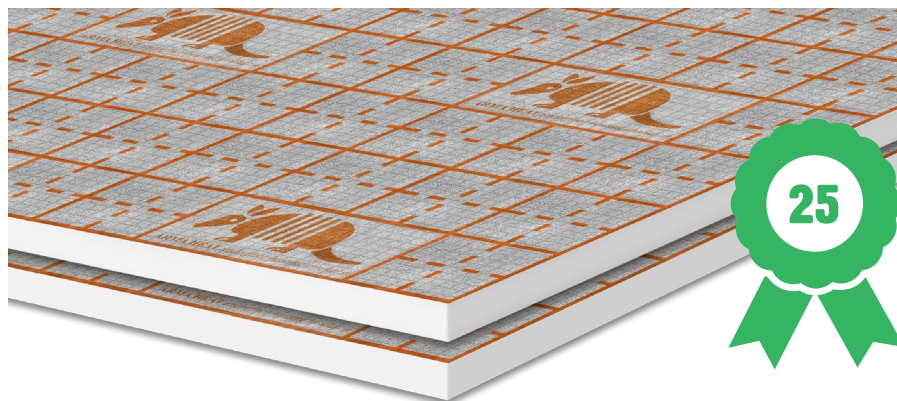
NEW

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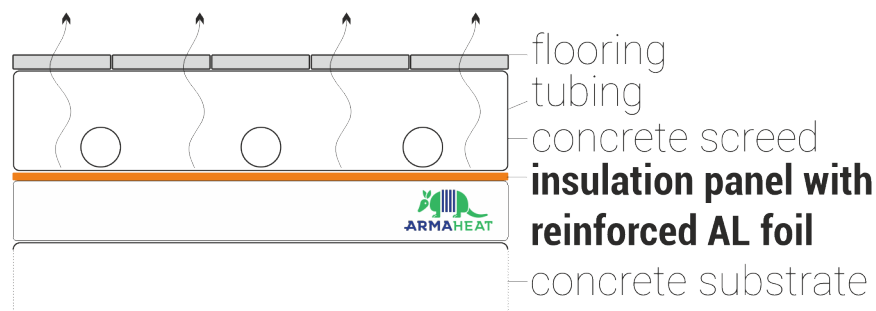
ARMAHEAT EPS AL are insulation panels for underfloor heating and cooling made from:

- Expanded polystyrene TERMOPOR eps with high insulation markers;
- Covered in reinforced AL foil for uniform distribution and dispersion of temperature;
- With nominal widths of 20 and 30 mm;
- With on-demand special production orders with a max. width of 500 mm

Image:



Application:



* 25 yrs. guarantee for the persistence of technical characteristics when properly installed and utilized

Technical characteristics:

Technical characteristic	Value	EN standard
Surface	Reinforced AL foil	
Edges	I	
Dimensions	1200 x 500 mm	EN 822
Nominal thickness (d _n)	20, 30 mm	EN 823:2013
Thermal conductivity at t=15 °C (λ)	0,0365 W/mK	EN 12667
Compressive strength at 10% deformation (CS)	150 kPa	EN 826:2013
Prolonged water absorption at full immersion (WL(T))	1,08 %	EN 1609:2013
Diffuse resistance to water vapors (μ)	30	EN 12086
Flame reaction	Class E	
Thermostability (°C)	-50°C ÷ +75°C	

Logistical characteristics:

Width mm	Dimensions Mm	Panels per package	Amount in package m ²
20	1200 x 500	34	20,40
30	1200 x 500	23	13,80

ADVANTAGES

Of insulation panels ARMAHEAT



Excellent insulation characteristics



Excellent compression strength



AL foil for uniform distribution of temperature



Non-hygroscopic material



Light and easy to work with



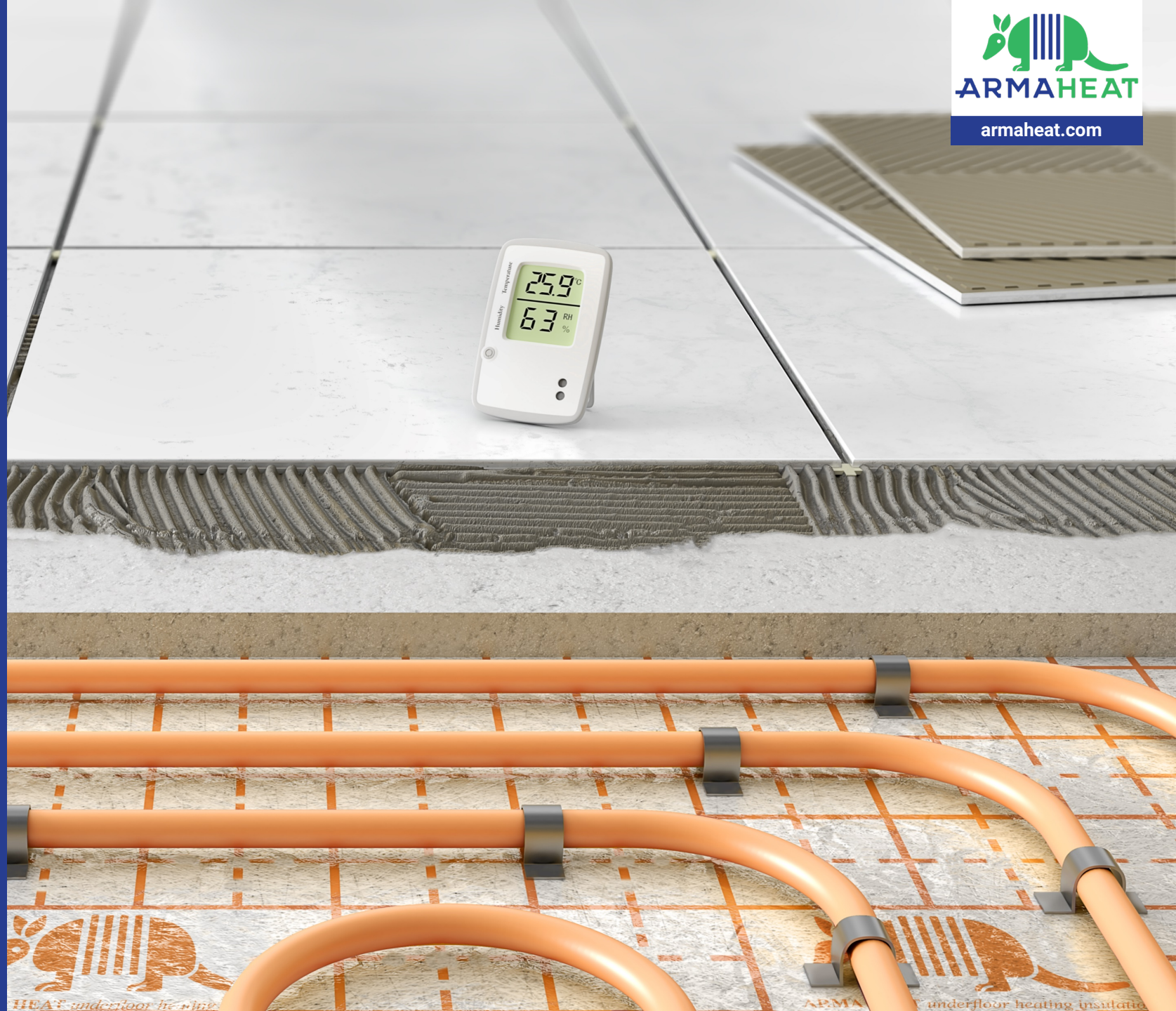
100% recyclable material

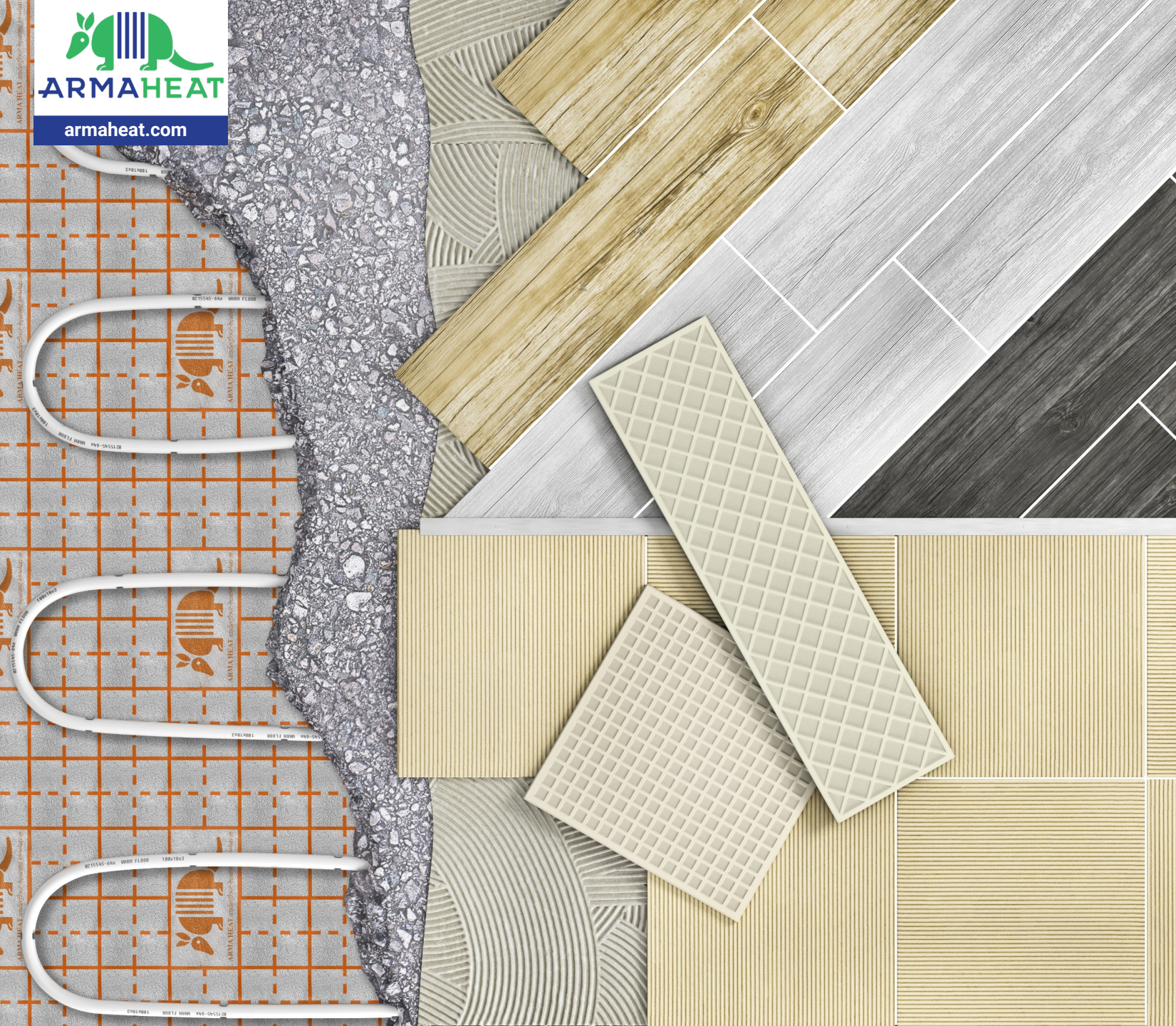


Pre-measured surface



Tack-on system for easy mounting





ADVANTAGES

During the application of ARMAHEAT



Applicable for water-based and electrical underfloor heating and cooling



Fast and easy application, cuttable to fit the contour of the room



Fast and easy mounting of the tubes on the pre-measured surface, tacked-on with special brackets



The AL foil cover protects the insulation layer



Light-weight and easy to transport and apply

APPLICATIONS

Of insulation panels ARMAHEAT



Residential buildings

Insulation panels for underfloor heating and cooling, suitable for repair work and new construction of single-family and multi-story residential buildings.



Public buildings

Insulation panels for underfloor heating and cooling, suitable for commercial and office areas.



Production facilities

Insulation panels for underfloor heating and cooling, suitable for halls, industrial buildings, garages, underground parking lots, ramps and others.



BENEFITS

Of underfloor heating with ARMAHEAT



Economical and effective



Comfortable and sustainable



Aesthetic and easy to maintain



Safe and quiet





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