

# EnergAqua Line

Water Supplied Radiant Heating



Use the EnergAqua Line Radiant Panels for a trouble and maintenance free heating system, offering minimal running costs and an even and comfortable indoor climate. The EnergAqua Line is a highly developed product, designed to be economical, safe and comfortable.

EnergAqua Line is suitable for commercial, retail, educational or similar applications and is equally suitable for new-builds and refurbishments.

## Composition

EnergAqua Line, EAL, consists of three parts, the reflective plate, insulation and the water carrying pipes. CE marked and manufactured in accordance with EN 14037.

The panel comprises of a 0.6 mm aluminium plate which is cold pressed into optimal shape, the insulation consists of 28 mm thick polyurethane foam. The pipes are made from copper in diameter  $\varnothing$  12 mm. Maximum working pressure 6 Bar.



## Design and Function

The surface plate encapsulates the copper pipes maximising the contact surface leading to a highly efficient radiant panel.

The warm water which circulates through the pipes conducts heat to the surface plate, warming the underside of the panel. The increased temperature of the panel enables radiant heat being emitted to cooler surfaces in the room.



## Technical Specification

**Width:** EAL is available in three different widths 400 mm (2 pipes), 800 mm (4 pipes) or 1200 mm (6 pipes).

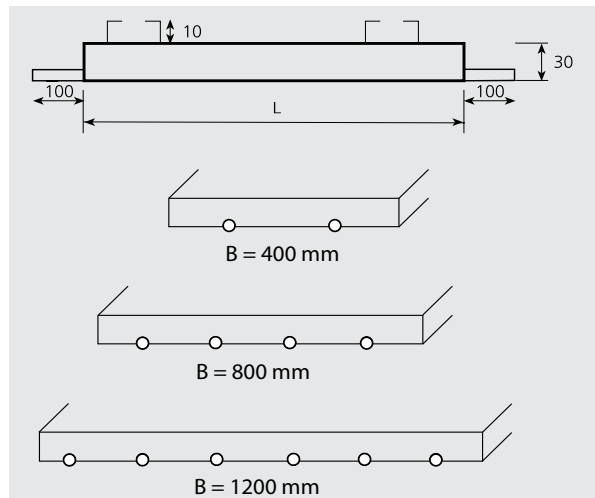
**Length:** EAL can be made to any length in 100 mm increments from 1000 mm up to 6 m per panel. Several panels can be inter-connected to a maximum length of 25 m.

**Connections:** Panel connections are  $\varnothing$  12, 15 or 22 mm, with smooth straight pipe ends.

**Inter-connections:** A panel run, longer than 6 m, can be made by combining a connection panel and an end panel together with a number of intermediate panels. All panels are jointed by using press-fittings. Panels can be supplied in different versions to accommodate for serial or parallel connections to manage flow rates and pressure drops.

**Suspension:** EAL can be installed free hanging from the ceiling using the included hangers but are equally suitable for surface mounting or ceiling integration.

*Further information regarding capacities, pressure drops, flow rates and connection options along with accessories and controls can be obtained from our technical brochure.*



### Quick Facts

<b>Thermal emission:</b>	Up to 817 W/linear meter
<b>Lengths:</b>	Any length in steps of 100 mm from 1000 mm, up to 6000 mm.
<b>Widths:</b>	400, 800 or 1200 mm
<b>Installation height:</b>	Up to 15 m
<b>Finish, colour:</b>	NCS0502Y / RAL9010 (White)
<b>Weight/m excl water:</b>	EAL-2 – 2,6 kg EAL-4 – 5,2 kg EAL-6 – 7,8 kg
<b>Weight/m incl water:</b>	EAL-2 – 3,5 kg EAL-4 – 7,2 kg EAL-6 – 10,8 kg

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