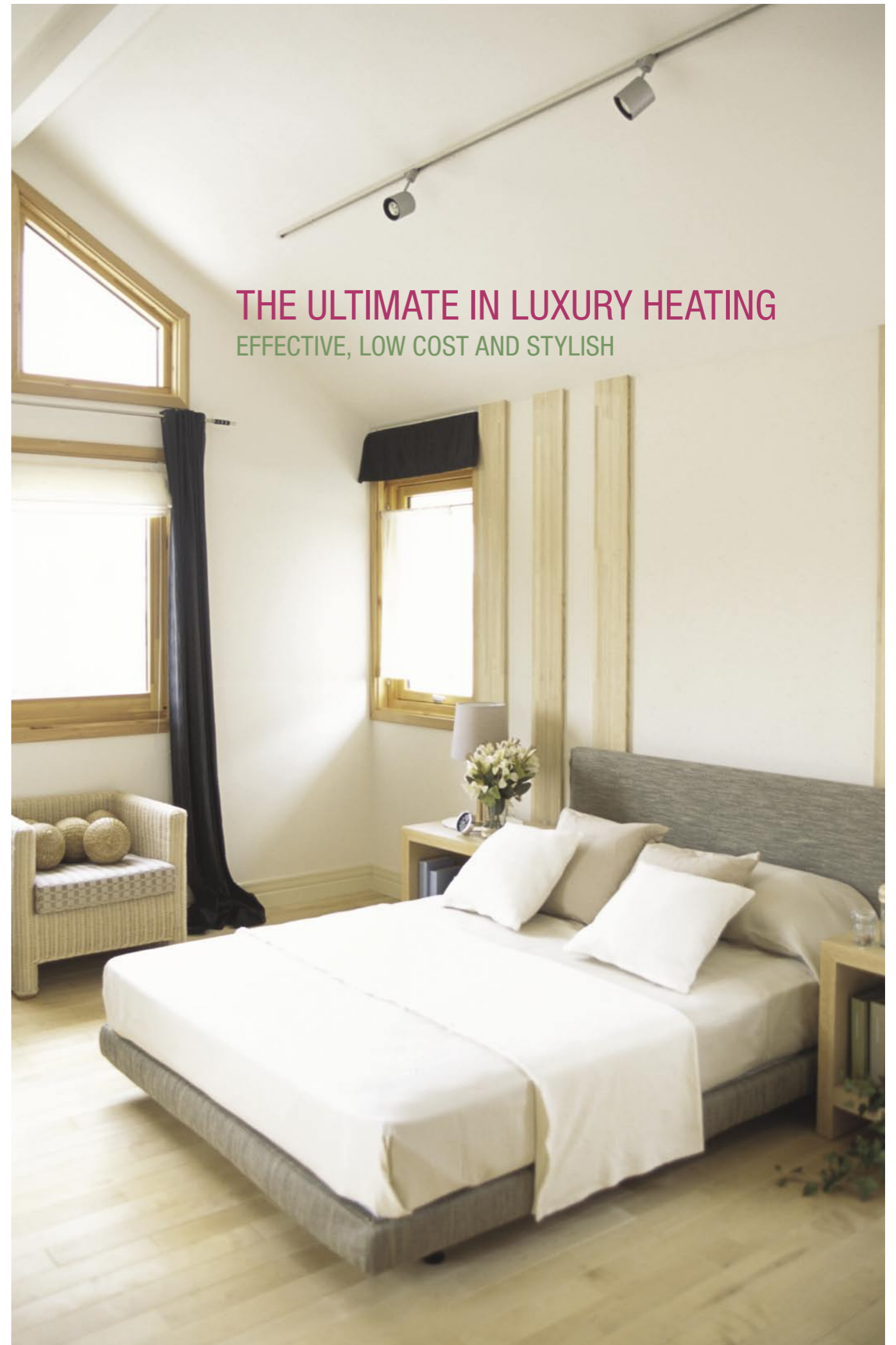




REHAU SOLUS

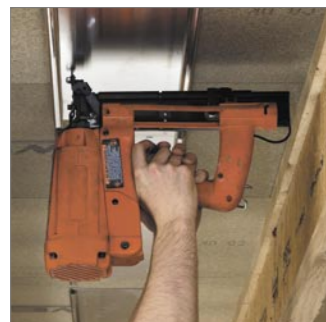
ECONOMIC LUXURY UNDERFLOOR HEATING SYSTEM
FOR JOISTED FLOORS

THE ULTIMATE IN LUXURY HEATING
EFFECTIVE, LOW COST AND STYLISH



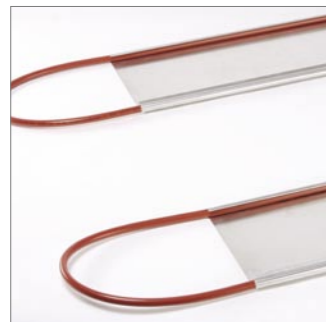
REHAU SOLUS

LUXURY UNDERFLOOR HEATING FOR JOISTED FLOORS



REHAU are proud to present a new solution for the premium house builder and discerning homebuyer, REHAU SOLUS an underfloor heating system for joisted floors, which can be installed safely from below into upper-floor rooms including luxury bedrooms and en-suites.

The new system provides an even distribution of warmth. Old fashioned radiators, which only heat one area of a room rather than all of it, can now be disposed of saving valuable space and providing better aesthetics.



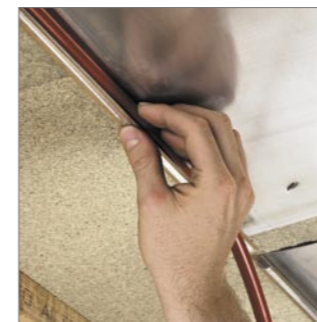
REHAU SOLUS comprises REHAU's manufactured cross-linked Polyethylene pipe which meets the highest standards plus 1000mm aluminium plates, which can be cut to smaller sizes if required. With few parts installation is fast, simple and effective.

Cost Effective Luxury

As well as providing greater freedom of design with no obtrusive space consuming radiators, REHAU SOLUS is comparatively inexpensive to run and install. The absence of corrosion also removes the requirement for future costly maintenance requirements.

REHAU SOLUS

INSTALLATION FROM BELOW



REHAU SOLUS System

Installation from Below

REHAU SOLUS's aluminium plates are fixed to the underside of a joisted floor using a hand held staple gun. The heating pipes then clip quickly and firmly into place. Such a rapid easy installation will save the house-builder valuable time and money while providing a superior heating system to the home-buyer.

Faster Build Programme

As the installation of REHAU SOLUS is from below, the danger of installers falling through open joists is eliminated. Thus, the necessity to cordon off areas for health and safety reasons is removed. This means that other trades are not delayed in the completion of their tasks and the all important Build Programme Schedule is speeded up.

Energy Efficiency

REHAU SOLUS utilises the excellent conductive properties of aluminium to achieve substantial outputs for a range of flow temperatures, making it a premium choice for use with a wide selection of heating sources. To achieve the required output for continual comfort in upstairs rooms REHAU SOLUS is designed to operate within the optimal efficiency range for condensing boilers.

Compatible with all Joist Types

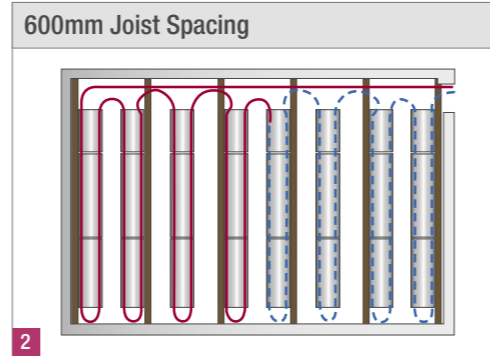
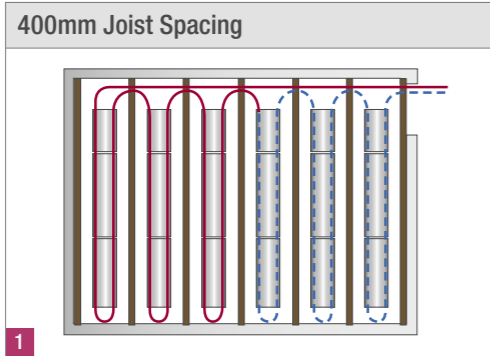
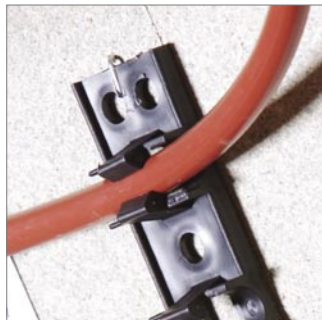
REHAU SOLUS uses REHAU's 12 x 1.1mm Universal pipe which is easily thread through holes drilled in the joists. No notching of joists is required, helping to ensure that REHAU SOLUS is compatible with all the latest types of engineered joists available. Furthermore REHAU SOLUS components are lightweight and easy to handle.

REHAU SOLUS

FLEXIBILITY IN DESIGN

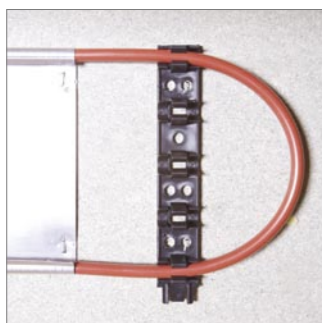


REHAU SOLUS's aluminium plate can be used for both 400mm and 600mm joist spacing giving flexibility in design. For example, two possible plate arrangements for varying joist spacing are shown below:



1 REHAU SOLUS System
400mm joist spacing

2 REHAU SOLUS System
600mm joist spacing



With the unique simple fixing method of the pipe from below, this straight forward underfloor heating system can be combined with standard insulation methods to offer high performance without the need for costly pre-fabricated solutions.

Recommended insulation includes Glass wool (100mm thick, Thermal conductivity > 0.04 W.m-1.K-1) cut to size on site or supplied in rolls that fit between the joists, as recommended by the latest building regulations for the purpose of sound deadening.

REHAU SOLUS helps differentiate the premium house builder from other suppliers to the mass housing market by providing a superior heating system in previously hard to install areas which luxury home buyers will want.



SAFE, EASY & FLEXIBLE TO INSTALL
SUPERIOR HEATING SYSTEM FOR SUPERIOR HOUSES

REHAU SOLUS

TECHNICAL DATA



REHAU SOLUS is another addition to the wide range of underfloor heating products available from the REHAU Building Solutions division. This simple but effective underfloor heating system for upper-floor rooms has few parts to order and stocks are held in the UK for speedy availability.



Technical Data

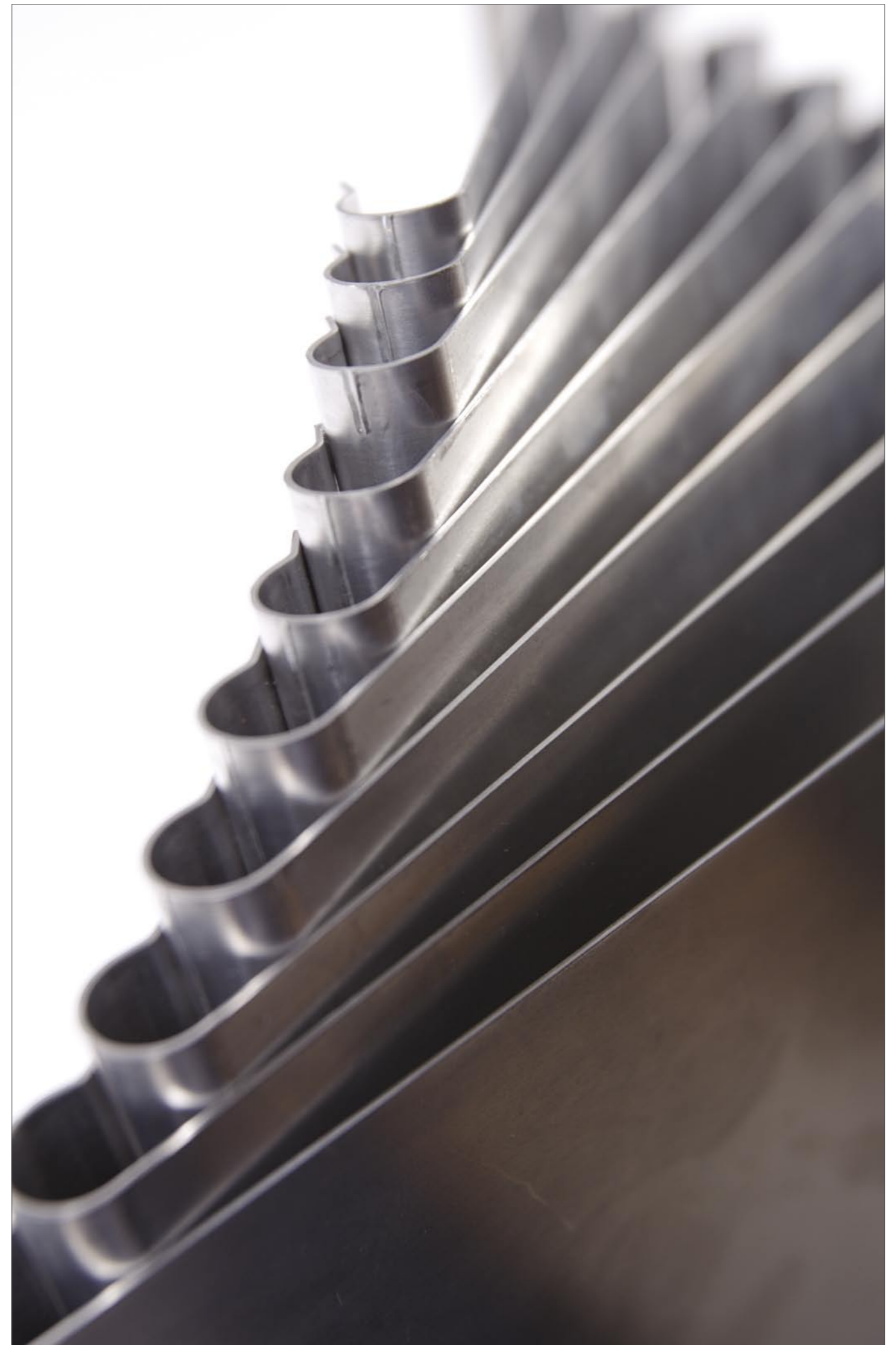
Size	1000mm x 210mm	500mm x 210mm
Thickness	0.8mm	0.8mm
Material	Aluminium	Aluminium
Conductivity	160 W/mK	160 W/mK
Pipe Spacing	200mm	200mm
Output*	52 W/m ²	52 W/m ²

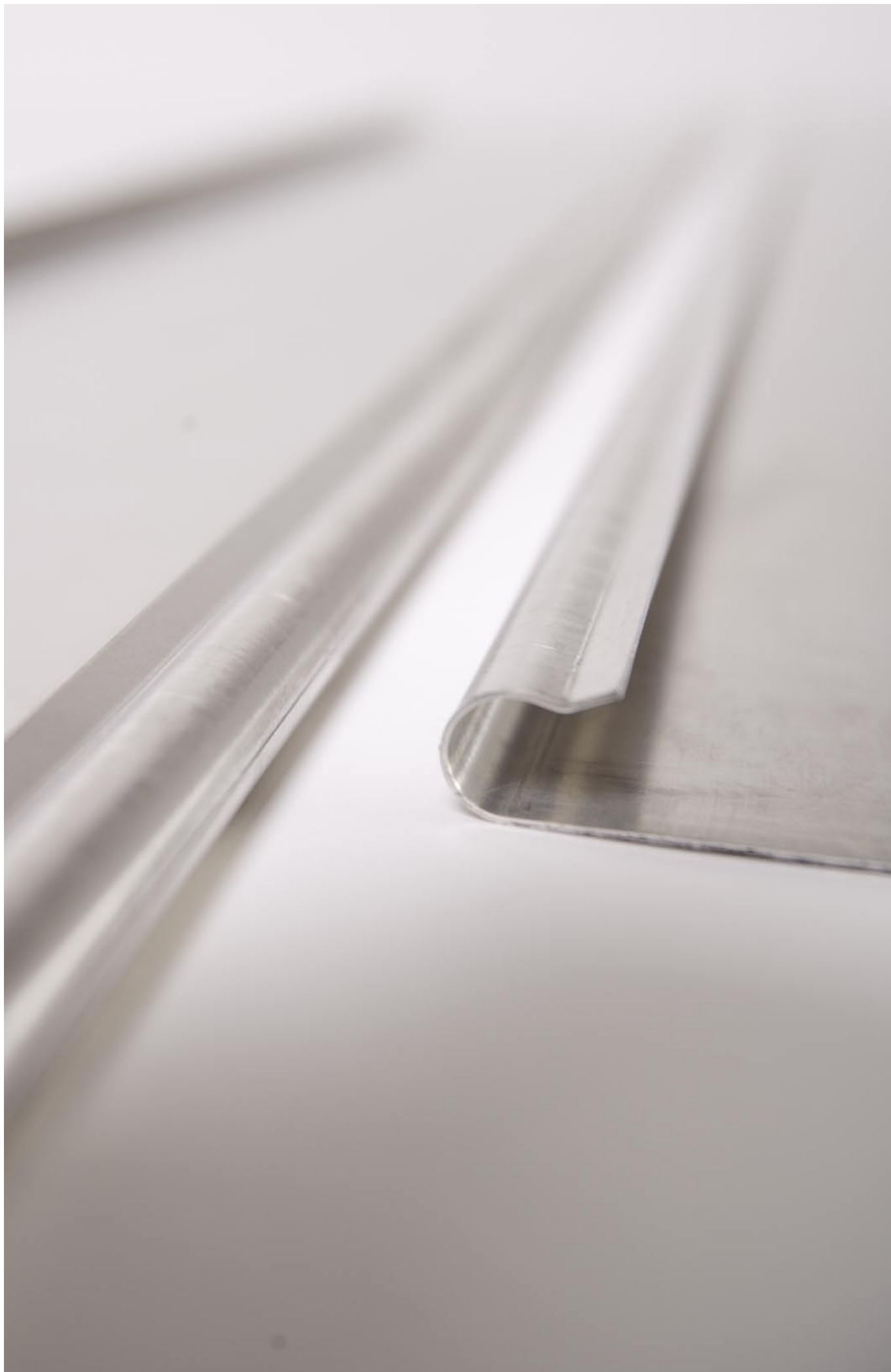
*Output based on HLK test (i=20°C, F=65°C, R=55°C, R1=0.11m²K/W)



Product Ordering Schedule

	Article No.	VAR	Description	Packaging
Plate	200931	001	Double Aluminium Profile 1m	10pcs/pack
	200921	001	Double Aluminium Profile 500mm	10pcs/pack
Pipe	138091	101	RAUTHERM Universal pipe 12X1,1	100m/ 1500m
	138091	241	RAUTHERM Universal pipe 12X1,1	240m/ 3600m
	138091	490	RAUTHERM Universal pipe 12X1,1	490m/ 2450m
Acc.	138633	002	COUPLER 12X1,1/14X2,0	10pcs/ 50pcs
	138613	001	COMP.SLEEVE JOINT.SYST. 12X1,1	10pcs /100pcs
	257885	010	CONNECTING UNION 12X1,1	10pcs/ 150pcs
	246014	001	RAUFIX-RAIL 12/14 NO LUGS	10m/ 900m





REHAU

HAS THE RIGHT BUILDING SOLUTION FOR YOU

From windows and doors to underfloor heating, pipes and fittings, REHAU is a leading global manufacturer and innovator of building products.

With our reputation for robust high quality engineered products, reliability and excellent customer service, as well as a fully resourced technical department, REHAU is the ideal partner to talk to for innovative Building Solutions.

Furthermore, you will benefit from REHAU's long experience as a provider of polymer solutions. REHAU has more than 30 years experience in manufacturing cross-linked Polyethylene pipe which passes the highest standards. Due to the chemical properties of PE-Xa pipe, the pipe has a high stress resistance.

REHAU SOLUS is the result of significant research and development by REHAU to meet the growing demand for total underfloor heating in a house rather than only the ground floor. This simple but effective innovation is just one of many reasons why you will benefit from talking to the REHAU building solutions team.

Our verbal and written application engineering advice is based upon experience and the best of our knowledge. However it is to be regarded as non-binding information. Working conditions and use under conditions for which the product was not intended and over which we have no influence exclude any claim resulting from our information. We recommend that a suitable check is made as to whether the REHAU product is suitable for the envisaged purpose. Application, use and processing of the products is carried out beyond the scope of our control and are therefore carried out exclusively at your own responsibility. If liability should still apply, then this is restricted, in the case of all damage, the value of the goods supplied by us and used by you.

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