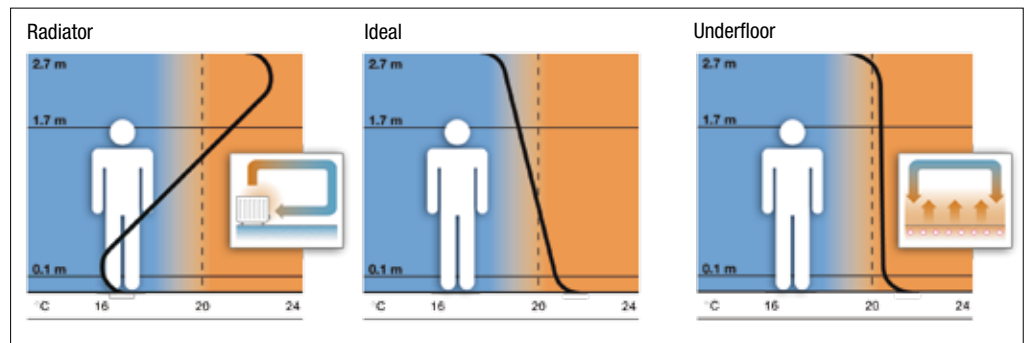


UNDERFLOOR HEATING

A BETTER SOLUTION

UNDERFLOOR HEATING IS FAST BECOMING A FAVOURED CHOICE FOR INDUSTRY PROFESSIONALS. PRACTICAL, COST EFFECTIVE AND FLEXIBLE, UNDERFLOOR HEATING IS INCREASINGLY BEING SPECIFIED OVER TRADITIONAL RADIATOR SYSTEMS AND ESTABLISHING A REPUTATION AS THE PREFERRED MODERN-DAY HEATING SOLUTION.

Temperature Profiles



Advantages include:

- Comfort** Even spread of heat provides a high level of comfort.
- Economy** Reduced demand on boilers and no wasted heat at ceiling height typically saves 15% in fuel costs*.
- Cost-efficiency** Reduced on-site maintenance – servicing of boilers and pumps only.
- Flexibility** Unrestricted wall surfaces in both old and new buildings.
- Safety** No hazardous wall projections or hot surfaces.
- Control** REHAU comprehensive controls package offers a solution for the majority of building applications.

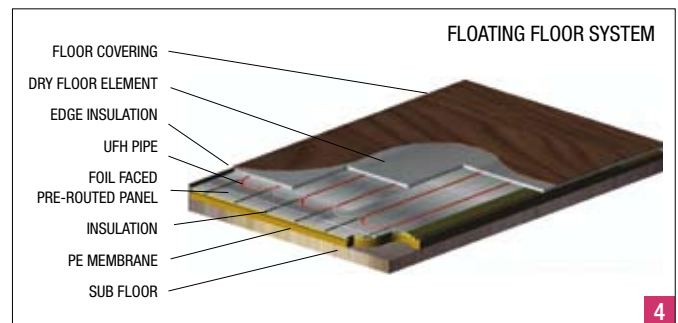
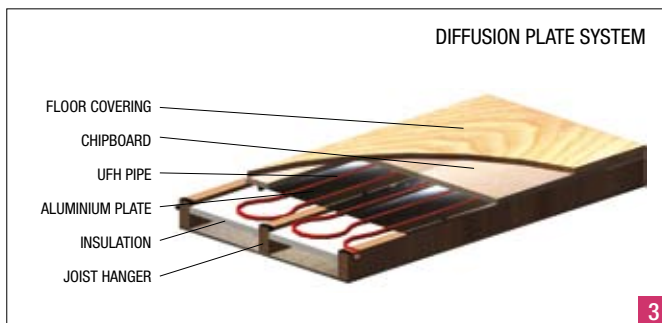
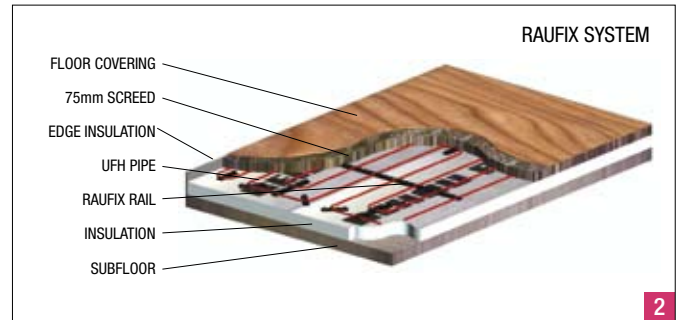
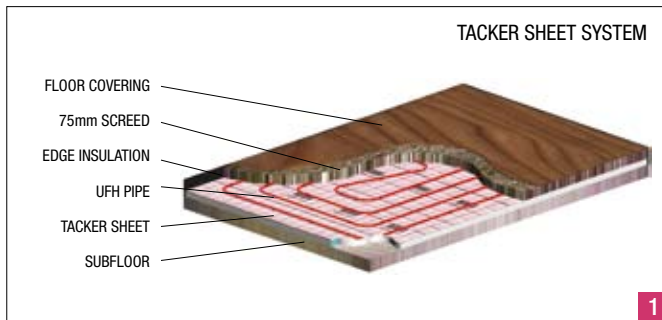
* Source: BSRIA application guide AG 12/2001

REHAU Underfloor Heating and Plumbing 10 Year Warranty. Up to £100,000 Consequential loss

If REHAU RAUTHERM Universal PE-Xa pipe or compression sleeve fittings are found to be defective due to a manufacturing fault within the first 10 years of the warranty period, compensation shall be paid for any damage resulting from the removal and replacement of the defective pipe and fittings. REHAU shall assume the liability up to an amount of £100,000 per installation, inclusive of the supply of the replacement pipe and fittings.

UNDERFLOOR HEATING APPLICATION

Underfloor heating systems are particularly adaptable and can be installed in both old and new buildings under a wide range of floor coverings including screed, flagstones, tiles, carpets, rugs, laminates and timber.



REHAU Floor System	Base	Load Distribution ¹⁾	Pipe Size in mm			Pipe Spacing	Typical Output ²⁾	Typical Imposed Load	
			ø16	ø20	ø25			distributed	Uniformity distributed
Wet Fit System	Tacker Sheet	<ul style="list-style-type: none"> • Solid • Beam & Block • Pre-stressed Beams 	<ul style="list-style-type: none"> • CT • CA • CA-F 	✓	✓		<ul style="list-style-type: none"> • 150 • 200 • 300 	Up to 100 W/m ²	Up to 5 kN/m ²
	RAUFIX	<ul style="list-style-type: none"> • Solid Base Slab • Beam & Block • Pre-stressed Beams 	<ul style="list-style-type: none"> • CT • CA • CA-F ³⁾ 	✓	✓			Up to 100 W/m ²	Up to 5 kN/m ²
	Industrial*	• Compacted hardcore	• Reinforced/ Pre-stressed Concrete		✓	✓		• 150 – 500	Up to 100 W/m ²
Dry Fit Systems	Diffusion Plate	<ul style="list-style-type: none"> • Suspended Timber • Battens on Concrete • Beam & Block 	<ul style="list-style-type: none"> • Chipboard • Plywood • Dry flooring elements 	✓			<ul style="list-style-type: none"> • 120 • 200 	Up to 70 W/m ²	Up to 2 kN/m ²⁻⁴⁾
	Floating Floor	<ul style="list-style-type: none"> • Solid Base Slab • Beam & Block • Suspended Timber 	<ul style="list-style-type: none"> • Chipboard • Plywood • Dry flooring elements 		✓	• 300		Up to 70 W/m ²	Up to 3.5 kN ⁴⁾
	Sprung Floor*	<ul style="list-style-type: none"> • Solid Base Slab • Beam & Block • Pre-stressed Beams 	• Sports Floor		✓	• 100		Up to 70 W/m ²	See flooring manufacturer

1) Screed types according to BS EN 13813, e.g. CT: Screed with cementitious binder, CA: Screed with Calcium sulfate binder, CA-F: Flow screed with Calcium sulfate binder

2) At 20°C room temperature

3) although not recommended

4) Typical values – please confirm with flooring manufacturer