



## Hydronic In-Screed Underfloor Heating

Hydronic in-screed underfloor heating systems embed hot water pipes into a thin screed layer above the structural slab, making them ideal for both new builds and renovations.

- **Fast Thermal Response**  
Heats up quickly due to the thin screed layer, ideal for quick comfort.
- **High Energy Efficiency**  
Precise temperature control reduces energy consumption and running costs.
- **Zoned Heating Capability**  
Easily integrated with smart thermostats for room-by-room control.
- **Low Structural Load**  
Minimal impact on floor height and weight - perfect for renovations.

## Hydronic In-Slab Underfloor Heating

In-slab underfloor heating embeds water pipes directly within the structural concrete slab during construction. It's ideal for new builds where thermal mass and long-lasting comfort are priorities.

- **Excellent Heat Retention**  
The concrete slab stores and radiates heat over long periods.
- **Stable Indoor Temperatures**  
Ideal for large spaces and commercial buildings requiring consistent warmth.
- **Simplified Construction**  
Pipes are installed during the concrete pour, streamlining the building process.
- **Durability & Protection**  
Pipes are securely embedded within the slab, minimizing risk of damage.



## PRIME 21 UNDERFLOOR HEATING ADVANTAGES

Prime21's hydronic underfloor heating system offers an optimal heating solution, backed by over a decade of industry experience and a steadfast commitment to customer satisfaction. Our systems are fully compliant with all relevant Australian standards and guidelines.

- A trusted Italian-made solution for reliable underfloor heating
- AS 1884:2021 – Floor Coverings Installation
- AS 2870 – Residential Slabs and Footings
- NCC Clause 3.12.1.5 – Perimeter Insulation Requirements
- CAD layout or zoning plan available
- NCC/AS standards checklist on request
- PDF summary or installation diagram available on request



Send floor plan to [info@prime21.com.au](mailto:info@prime21.com.au)  
We will provide the NSW best price  
And system drawings  
We install by licensed  
Prime21 Pty Ltd. Electrician and Plumber  
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A Estimate of the economic costs

B Executive project concerning all relevant specifications.

A To perform an estimate, the following elements will be necessary:

1. Scale plans of the building and its insulation type
2. End floor ring type
3. Circuit and heating/cooling equipment adjustment type

B To obtain an executive project, you will need:

1. The same data that are necessary for the estimate (if they were not supplied before)
2. Positioning of the appliances (manifolds, adjustment devices, thermal power stations, etc.)
3. Structural data about the house (glass, floor, walls, insulations, etc.)
4. Other data upon demand of the designer.