

**ADVANTAGES COMPARED TO BOTH HYDRONIC RADIANT AND  
CONVENTIONAL HEATING SYSTEMS**

1. LEGALETT costs less to install. See Product Data Sheet 0520 - Retail Cost Comparison.
2. LEGALETT design is engineered to prevent frost heave and thus footings and foundation walls are not required, saving time and cost.
3. LEGALETT takes responsibility for the structural slab and heating system, and provides the design, as well as following through with installation and start-up, ensuring customer satisfaction.
4. LEGALETT has superior insulation for reduced heat loss, saving energy.
5. LEGALETT slab provides for heat storage to stabilize interior temperature, avoiding fluctuations in interior temperature with large outside temperatures fluctuations.
6. LEGALETT slab can absorb large amounts of solar energy, to release later at night, increasing comfort and efficiency.
7. LEGALETT design is engineered to eliminate moisture and dampness by preventing moisture migration from underlying soils by capillary action, without requiring a vapour barrier, eliminating breeding grounds for mould and mildew before they start.
8. LEGALETT system allows for a one-step concrete pour, saving construction time.
9. Every LEGALETT part that may require maintenance is easily accessible.
10. Handicap accessibility is easily accomplished due to low LEGALETT entry height.
11. LEGALETT Can easily be adapted for radon gas protection.
12. LEGALETT provides for immediate heating through concrete curing and construction period.
13. The increased thermal mass of the LEGALETT System allows exclusive use of off-peak energy which is less expensive (if available).
14. LEGALETT has simple controls

**ADVANTAGES OVER CONVENTIONAL HEATING SYSTEMS**

15. The LEGALETT heating system is closed, allowing for complete control of airborne contaminants and odour. You do not breathe air that has passed by a heating element.
16. LEGALETT has reduced noise, since all heating air movement equipment is buried in the slab.
17. LEGALETT has reduced drafts, since the only air movement is ventilation air.
18. Warm feet allow for reduced average room temperatures, saving heating costs.
19. No reverse temperature stratification (instead, the highest room temperature is at floor level).
20. No need to use forced air ventilation or heating equipment for heating during construction which could invalidate that equipment's warranty.
21. No contamination of ventilation equipment during construction, promoting healthy living.
22. Comfortable working environment during construction without the use of expensive, unsafe space heaters.

**ADVANTAGES OVER HYDRONIC RADIANT HEATING SYSTEMS**

23. Contractor/builder/sub-trades can nail, drill, etc. into slab at any location without fear of destroying heating loops or hitting water.
24. Life of system is life of building, since nothing buried in the concrete is subject to failure, and thus no heating system-disabling water leaks to water tubing failure.
25. Floor does not get hot enough to damage flooring materials.
26. Complicated controls are not required to keep floor temperature at acceptable levels.
27. Temperature overshoot is not an issue, due to the low intensity of the heating.
28. The increased thermal mass of the LEGALETT System provides for a more stable interior temperature than thinner heated slabs.