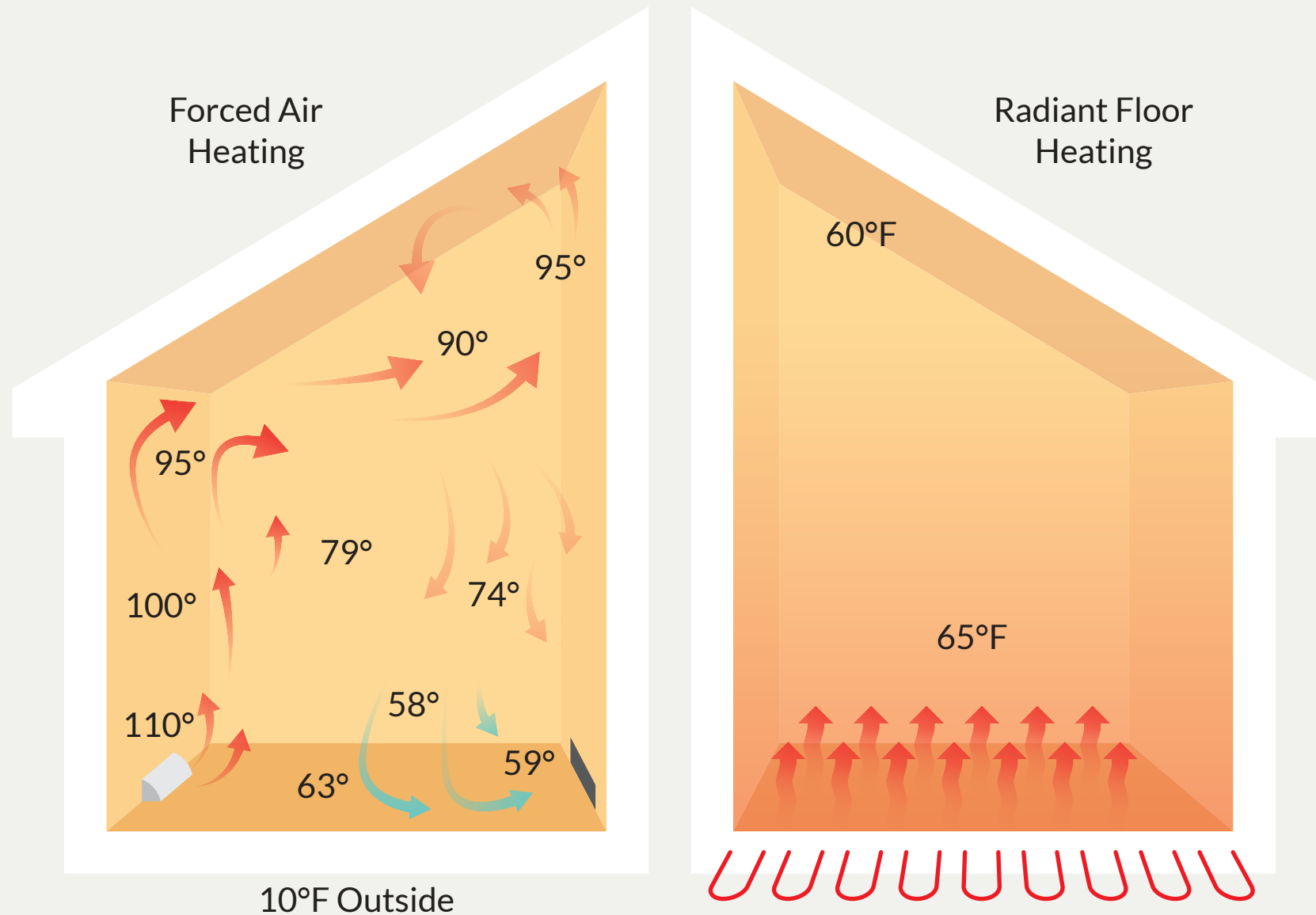


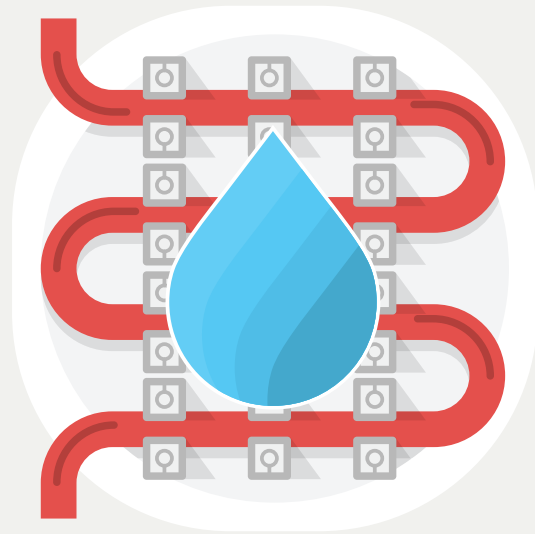
RADIANT FLOOR HEATING: A GUIDE TO RADIANT FLOOR HEATING SYSTEMS



WHAT IS RADIANT FLOOR HEATING?



RADIANT FLOOR HEATING TYPES



Hydronic Radiant Floor Heating Systems

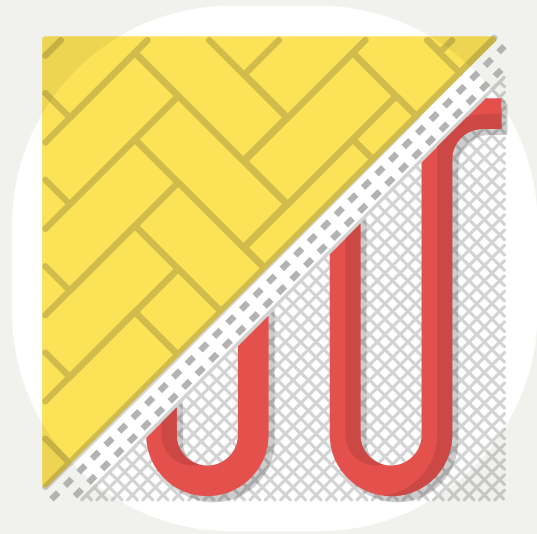
These systems use water-filled pipes situated beneath the flooring, which are warmed through a boiler system.



Electric Radiant Floor Heating Systems

This type of radiant floor heating involves electric heating cables or mats to warm up the floors.

RADIANT FLOOR HEATING VS. RADIATORS



Radiant Floor Heating

VS



Radiators

- **Heat Distribution:** Underfloor heating provides even warmth across the floor, while radiators create uneven hot and cold spots.
- **Aesthetic and Space:** Underfloor systems are hidden and save space, whereas radiators are visible and can restrict furniture placement.
- **Energy Efficiency:** Underfloor heating operates at lower temperatures for the same warmth, potentially lowering energy costs compared to the higher temperatures radiators require.

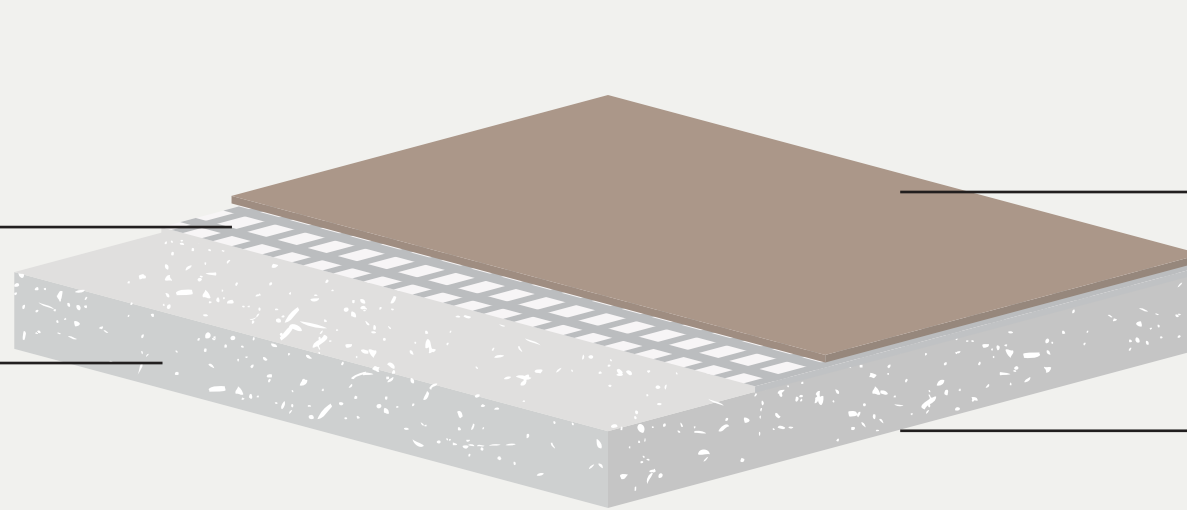
HOW DOES RADIANT FLOOR HEATING WORK?



Insulation Suggestions

Heat-spreading aluminium layer

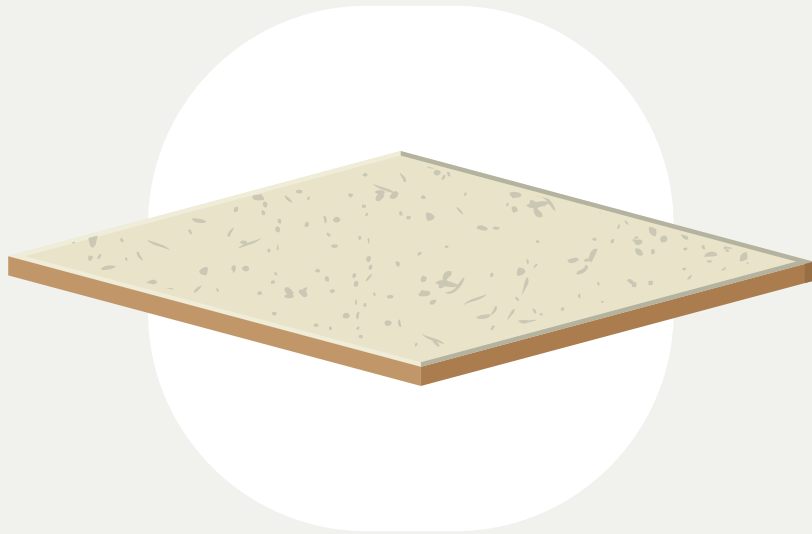
Secure synthetic fabric layer



Energy-saving insulation layer

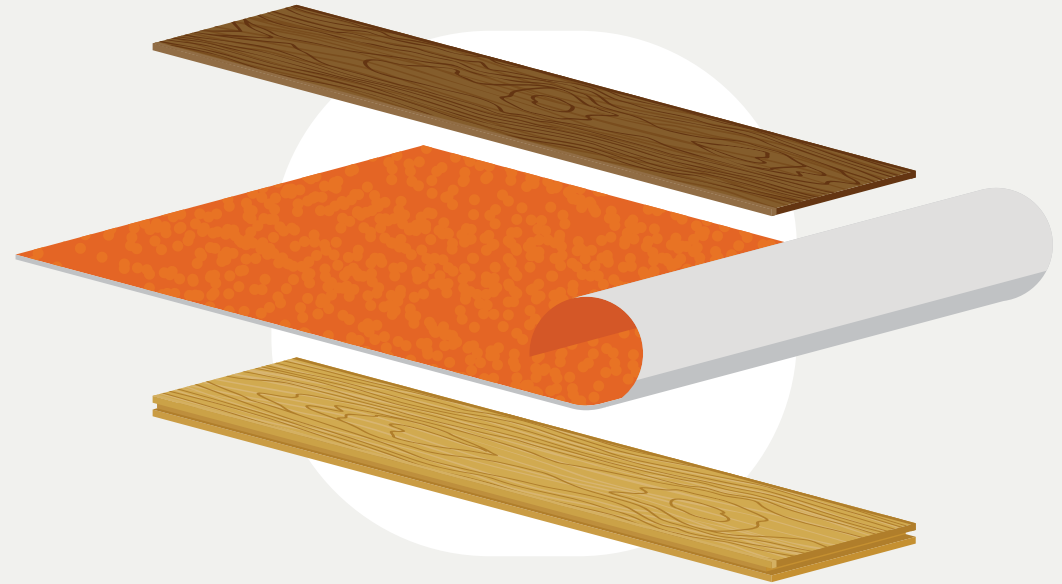
Decoupling fleece layer

FLOOR COVERINGS



Most Efficient Flooring Types

- Porcelain or ceramic tiling











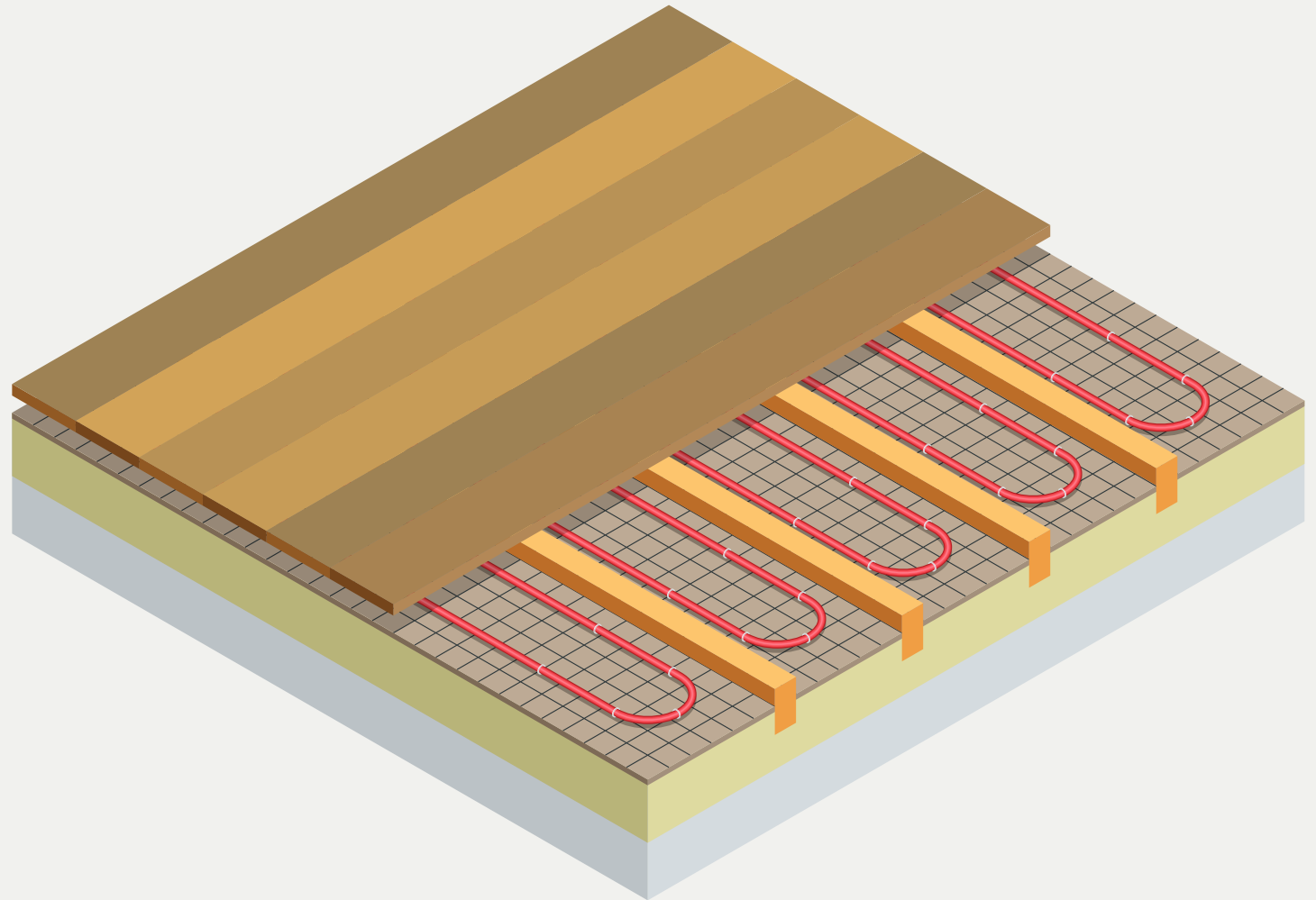
Less Efficient Flooring Types

- Vinyl or linoleum flooring
- Carpet
- Timber / wood

BENEFITS OF RADIANT FLOOR HEATING



-  Space and style
-  Flexibility
-  Energy efficiency
-  Sustainability
-  Safety
-  Low maintenance
-  Invisible hardware
-  Simple installation



DRAWBACKS OF RADIANT FLOOR HEATING



Payment Cost



Cost of Installation



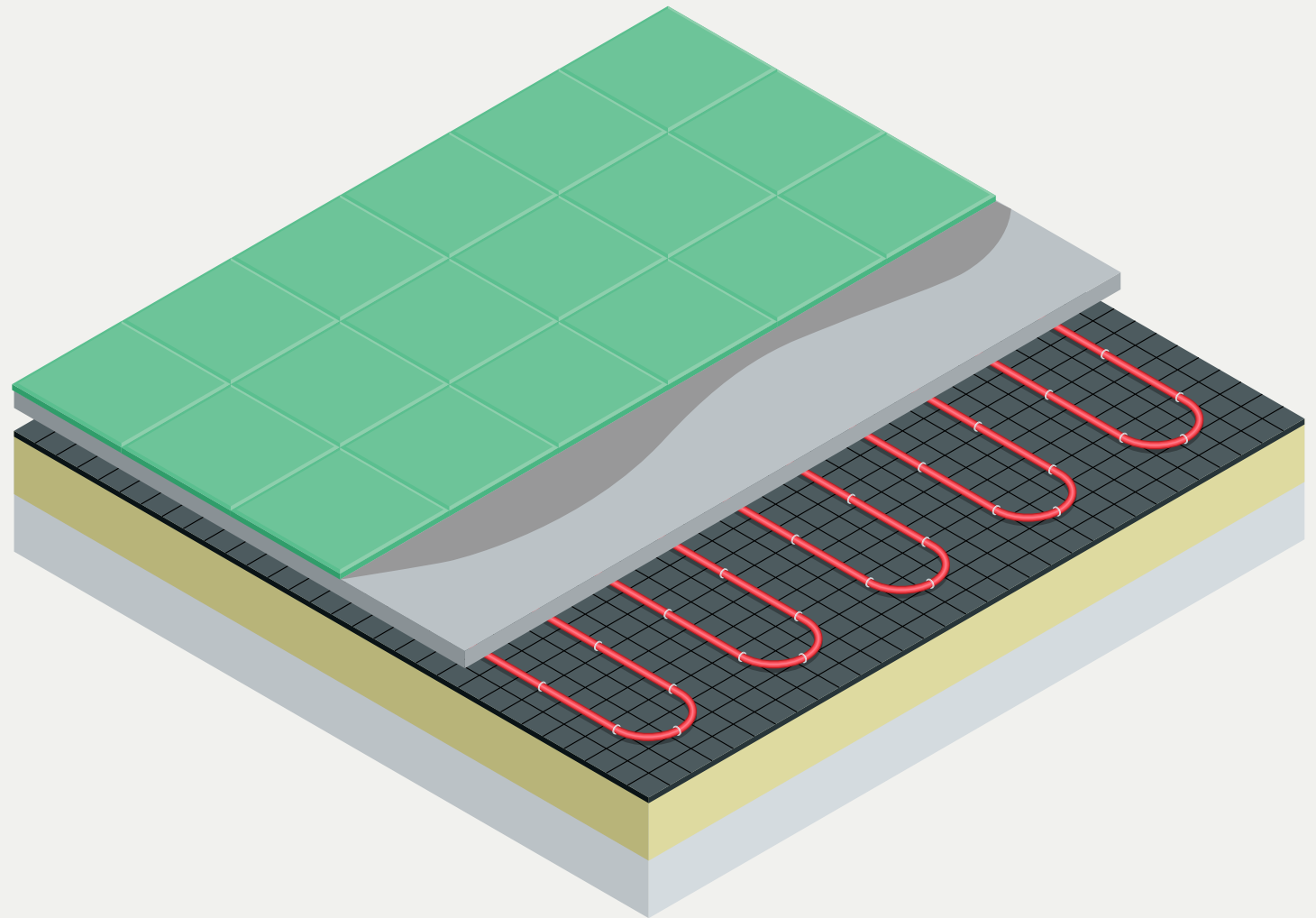
Time Installing



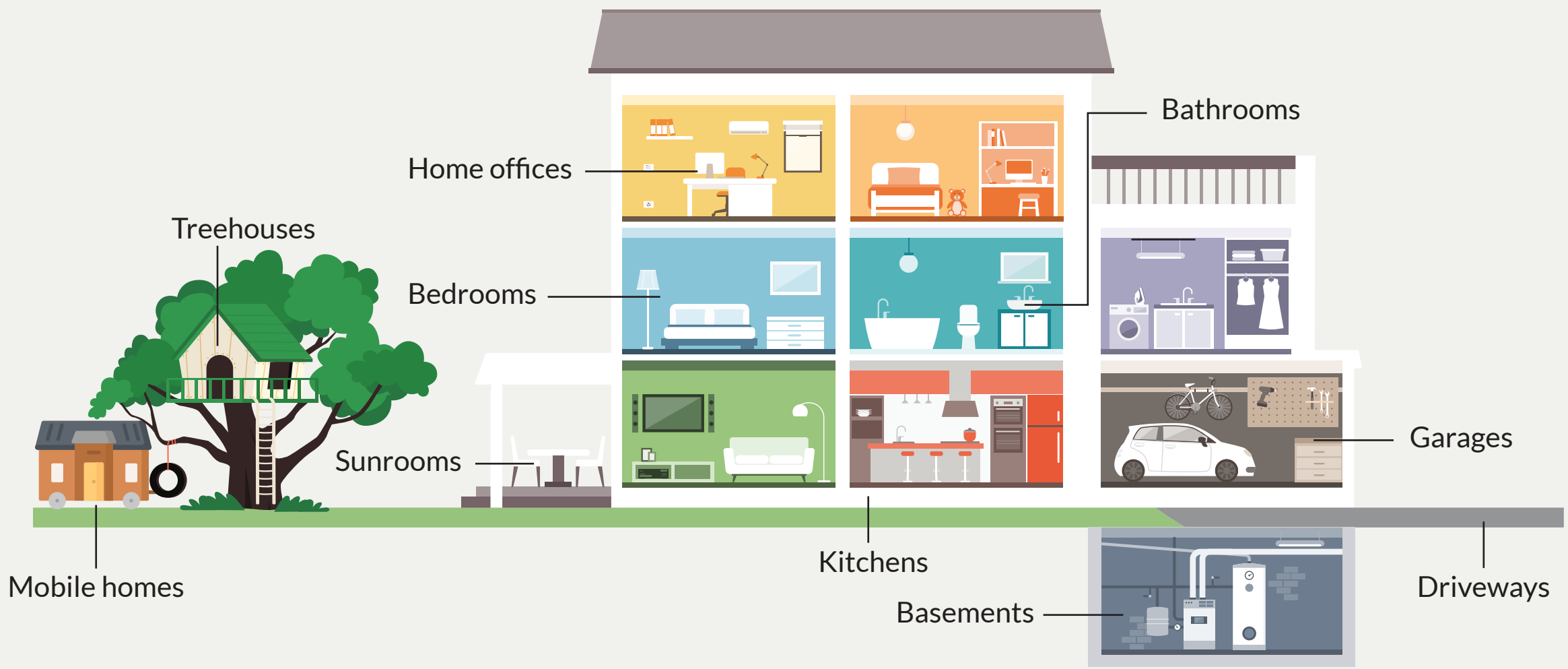
Costs of Running Electric



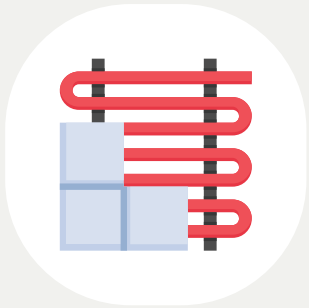
Considering Floor Height



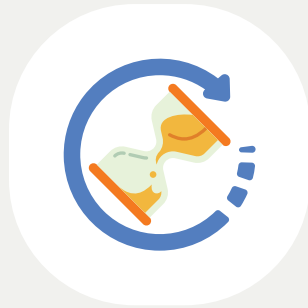
THE BEST ROOMS TO INSTALL RADIANT HEATING IN



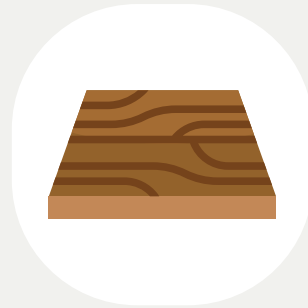
MYTHS ABOUT RADIANT HEATING



Radiant heating is new technology



Radiant heating takes a long time to warm up



Radiant heating can damage floors



Radiant heating is too expensive



You can only add radiant heating to kitchens and bathrooms

