

R-Flor® is the next generation in particleboard flooring developed to meet the demanding requirements for thermal comfort and energy efficiency.

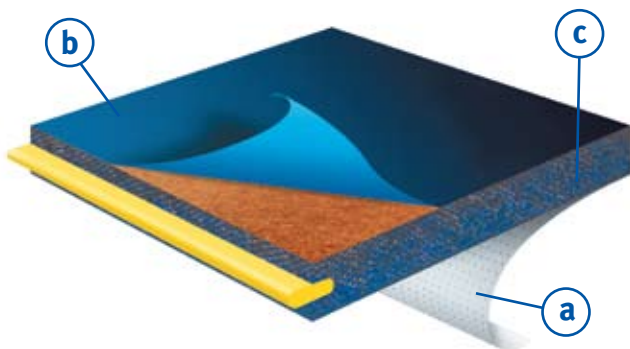
R-Flor integrates a high reflectance (low emittance) metallised foil with particleboard flooring to significantly reduce the radiative heat transfer across a suspended timber floor and subfloor air space to deliver an improvement in the “Total R-Value” of the flooring system, yet enables flooring to be installed in the conventional manner delivering speed and ease.

**Feel the difference.
 Make a difference.**

The next generation in flooring, designed for your comfort and for generations to come.

- Increases overall R-Value of floor system
- Improves thermal comfort
- Reduces energy use
- Greenhouse friendly
- Fast & easy installation

Product Features



- a) Low emittance metallised foil surface (underside of board)**
 - Increases overall “Total R-value” of flooring system
 - Perforated to provide sheet stability and drying
- b) Blue protective film (topside of board)**
 - Protects against moisture ingress
 - Robust - sufficient to withstand normal building activity
 - Removable - designed to peel away prior to installation of surfacing materials and provides ideal base for decorative surface finishes such as timber strip flooring
 - No residual film adhesive
- c) Blue wax edge sealant**
 - Additional protection against moisture ingress at joints
 - Easy identification



Termite Treated

- H2 Termite protected flooring
- 25yr chemical supplier guarantee*



Benefits

Improves Thermal Comfort & Total R-Value

- Improves living comfort
- Improves overall “Total R-Value” of flooring system
 - Low emittance (high reflectance) metallised foil significantly reduces the radiative heat transfer across a suspended timber floor, subfloor air space

Yellow Tongue R-Flor® Total R-Values

Cavity	Floor Covering	Enclosed Sub-floor	Unenclosed Sub-floor
Blocked (disconnected)	Bare	1.75	1.16
	Carpeted	2.16	1.57
Unblocked (connected)	Bare	1.36	1.16
	Carpeted	1.77	1.57

Notes:

1. R-Values for heat flow down, standard brick veneer construction. Typical suburban location, floor height 0.5m. hy/OIST® 240mm joist. Ground floor area/perimeter: 180m²/72m. Clay soil type.
2. R-Values calculated in accordance with the relevant provisions of Australian Standard AS/NZS 4859.1-2002. Materials for the thermal insulation of buildings Part 1: General criteria and technical provisions and the International Standards Organisation standard ISO 13370-2005. Thermal performance of buildings-Heat transfer via the ground-Calculation Methods is used as the methodology for determining the R-Value of suspended floors.
3. Assumption for carpet: 10mm carpet, 10mm underlay both with a conductivity of 0.05 W/m²K.

Reduces Energy Use

- Reduces heating energy consumption & costs

Greenhouse & Environmentally Friendly

- Made from sustainable managed renewable plantation pine
- Provides carbon storage
 - Carbon absorbed in the form of Co² (greenhouse gas) is stored in the wood fibre

Fast and Easy Installation & Inspection

- Conforms to AS1860.2 installation requirements
 - Can be glued to floor joists
- In-keeping with standard installation and fixing practices
 - No special tools or equipment necessary
 - Service penetrations can be easily accommodated
 - Easy installation - save time, labour & money
- Allows for easy termite & pest inspection
 - No cavity space between flooring & insulation to harbour unwelcome pests

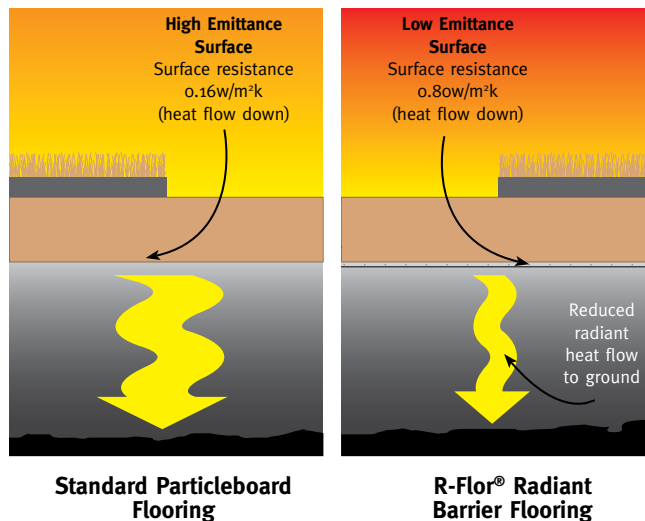
“R-Flor provides a technically superior suspended timber floor to meet our concerns for energy-efficient design”

Associate Professor Terry Williamson
School Architecture, Landscape Architecture & Urban Design
The University of Adelaide

Improves Comfort & Reduces Heat Loss

Particleboard flooring is a useful insulator and, like timber, gives a feeling of warmth and comfort. R-Flor reduces heat loss from the room to the outside, making it cosier and more comfortable inside when it's cold outside.

How R-Flor® Works



Fast & Easy Installation

R-Flor enables the commonly used and long established building practice of building using the platform construction method for suspended sub-floors; furthermore, flooring can continue to be installed in a manner consistent with the requirements of AS1860 Part 2: Particleboard Flooring Installation.



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