WHAT IS R-VALUE?

South Africa has been divided into **six climate zones** according to their **humidity and temperature** variations. Each climatic zone has a **different R-value** that determines the **thickness** of Aerolite Think Pink to be used.

The **R-value** is the ability of a product to resist the **transfer of heat** and is the most important factor when selecting thermal insulation.

YOUR R-VALUE

The higher the R-value the more effective the insulation and Aerolite has a variety of thicknesses according to the R-value required.

Cold Interior	R-Val	3.38	Aerolite	135mm
Temperate Coastal	R-Val	3.38	Aerolite	135mm
Arid Interior	R-Val	3.38	Aerolite	135mm
Temperate Interior	R-Val	3.38	Aerolite	135mm
Sub-Tropical Coastal	R-Val	2.50	Aerolite	100mm
Hot Interior	R-Val	3.38	Aerolite	135mm

YOUR AEROLITE OPTIONS

Thicker Aerolite = higher R-value = more effective the insulation.

Thickness	Width	Length	R-Value
*50mm	1,200mm	10,000mm	0,25
100mm	1,200mm	6,000mm	2,50
135mm	1,200mm	5,000mm	3,38

*50mm for top up insulation option.

EXAMPLE OF HEAT FLOW AND R-VALUE CALCULATION OF A ROOF SYSTEM

Total R-value = 3.78m².K/W

https://roofinsulations.co.za/aerolite/