

PRODUCT DATA Single-sided Radenshield™

Certification	2009/366	
Length	30 linear metres	
Width	1.5 linear metres	
Roll Coverage	45 m ²	
Effective Coverage	40.5 m ²	
Weight	126 g/m ²	
Mass	5.7 kg	
Tensile Strength	MD 180 N/50 mm (EN12311-1)	CD 180 N/50 mm (EN12311-1)
Average Nail Tear Strength	MD 120 N (EN12310-1)	CD 120 N (EN12310-1)
Water Resistance	Waterproof barrier and vapour impermeable	
Fire Rating	B/B3/3	
R-values	1.05 (m ² K)/W	

PRODUCT DATA Double-sided Radenshield™

Certification	2009/369	
Length	30 linear metres	
Width	1.5 linear metres	
Roll Coverage	45 m ²	
Effective Coverage	40.5 m ²	
Weight	172 g/m ²	
Mass	7.8 kg	
Tensile Strength	MD 200 N/50 mm (EN12311-1)	CD 180 N/50 mm (EN12311-1)
Average Nail Tear Strength	MD 150 N (EN12310-1)	CD 150 N (EN12310-1)
Water Resistance	Waterproof barrier and vapour impermeable	
Fire Rating	B/B1/2	
R-values	1.59 (m ² K)/W	
K-values	0.0630 W/mK	

PRODUCT DATA Industrial Radenshield™

Certification	2009/367	
Length	33.33 linear metres	
Width	1.5 linear metres	
Roll Coverage	50 m ²	
Effective Coverage	45 m ²	
Weight	220 g/m ²	
Mass	11 kg	
Tensile Strength	MD 300 N/50 mm (EN12311-1)	CD 240 N/50 mm (EN12311-1)
Average Nail Tear Strength	MD 250 N (EN12310-1)	CD 270 N (EN12310-1)
Water Resistance	Waterproof barrier and vapour impermeable	
Fire Rating	SANS 428 – B/B1/2/H&V (SP & USP)	
R-values	1.57 (m ² K)/W	



RECOMMENDED ROOF COMPONENTS



DIY

EasyFlash with Connection Strip

- A neat, weather-durable, maintenance-free alternative to waterproofing your roof
- Applied to wall-roof junctions
- 15 years maintenance-free when installed with Coverland Connection Strip
- Easy DIY roll & stick application saves time



Compact Roll

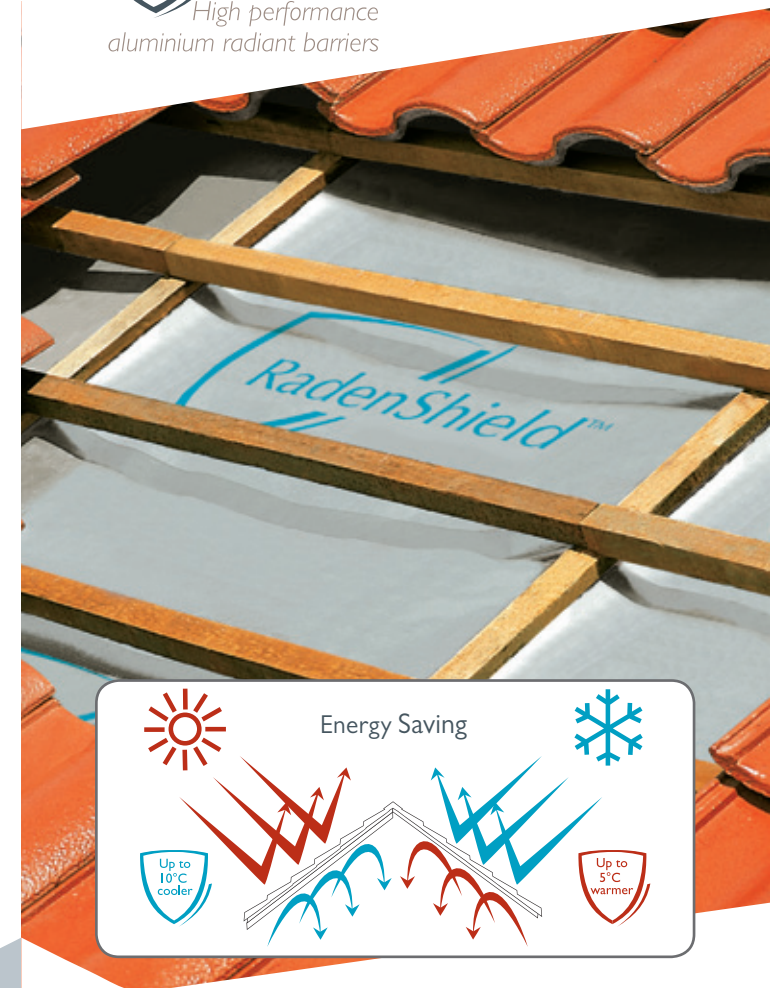
- Ventilated dry fix roll for roof ridges & hips
- High ventilation value and waterproof
- Used in place of mortar

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Radenshield™ radiant barriers are a range of aluminium roofing membranes that provide the added benefit of a reflective insulation material. The highly effective physical properties add indoor comfort and reduced energy consumption.

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Part of BMI Group

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Radenshield™ PRODUCT LINE

Radenshield™ SINGLE-SIDED
Aluminium Radiant Barrier

Size: 30 Lin.m x 1.5 Lin.m | Roll Coverage: 45m²

R-VALUE
1.05 (m²K)/W

SPONSULATION 3 Roofing Radiant Barrier
Tested and approved fit for purpose for use as a roof radiant barrier when used as specified in **CERTIFICATE 2009/366**

AGREMENT SOUTH AFRICA

LOW-COST HOUSING RESIDENTIAL APPLICATION

Radenshield™ DOUBLE-SIDED
Aluminium Radiant Barrier
with greater thermal resistance

Size: 30 Lin.m x 1.5 Lin.m | Roll Coverage: 45m²

R-VALUE
1.59 (m²K)/W

SPONSULATION 5 Light Roofing Radiant Barrier
Tested and approved fit for purpose for use as a roof radiant barrier when used as specified in **CERTIFICATE 2009/369**

AGREMENT SOUTH AFRICA

RESIDENTIAL APPLICATION COMMERCIAL APPLICATION

Radenshield™ INDUSTRIAL
Aluminium Radiant Barrier
with thicker grammage and extra reinforced scrim layer for extra tear-strength

Size: 33.33 Lin.m x 1.5 Lin.m | Roll Coverage: 50m²

R-VALUE
1.57 (m²K)/W

SPONSULATION 6 Roofing Radiant Barrier
Tested and approved fit for purpose for use as a roof radiant barrier when used as specified in **CERTIFICATE 2009/367**

AGREMENT SOUTH AFRICA

INDUSTRIAL

Radenshield™ CLIMASENTIAL
Aluminium Radiant Barrier
with extra tear-strength

Size: 30 Lin.m x 1.5 Lin.m | Roll Coverage: 45m²

R-VALUE
1.57 (m²K)/W

SPONSULATION 4 Roofing Contractors Choice
Tested and approved fit for purpose for use as a roof radiant barrier when used as specified in **CERTIFICATE 2011/387**

AGREMENT SOUTH AFRICA

LOW-COST HOUSING RESIDENTIAL APPLICATION

Radenshield™ ILLUMINA
Aluminium Radiant Barrier
Single-sided Industrial radiant barrier

Size: 33.33 Lin.m x 1.5 Lin.m | Roll Coverage: 50m²

R-VALUE
1.05 (m²K)/W

SPONSULATION 10000 Roofing Radiant Barrier
Tested and approved fit for purpose for use as a roof radiant barrier when used as specified in **CERTIFICATE 2012/425**

AGREMENT SOUTH AFRICA

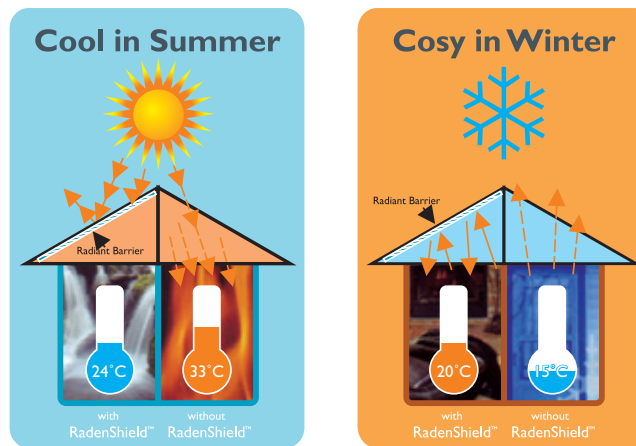
INDUSTRIAL



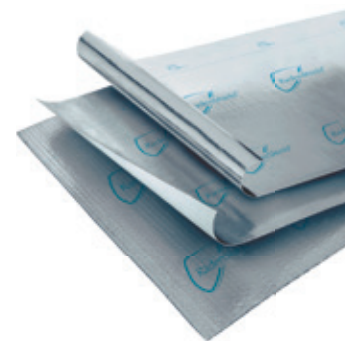
BENEFITS

More comfort at a lower cost

As much as 80% of radiant heat enters your roof. Radenshield™ reflects 97% of radiant heat. When Radenshield™ is installed in your roof, it prevents heat from entering in summer thereby reducing indoor temperature by up to 10°C. It also keeps the warmth in during winter. A roof installed with Radenshield™ provides comfort all year round and saves on heating and cooling bills.



DOUBLE-SIDED RADENSHIELD™ SAMPLE

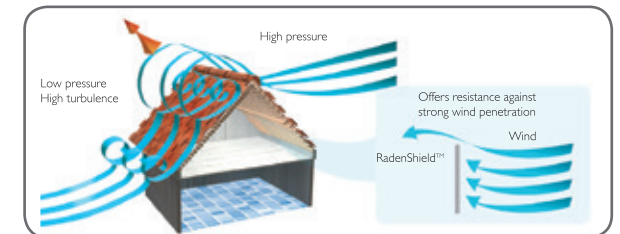


Energy Efficiency

As much as 50% of heat losses in a house can be attributed to a lack of ceilings and ceiling insulation. By insulating your roof, there is less need for heating and cooling appliances, thereby saving on electricity. In accordance with the SABS building energy efficiency regulation SANS 204, Radenshield™ aluminium barriers are an acceptable component for use.

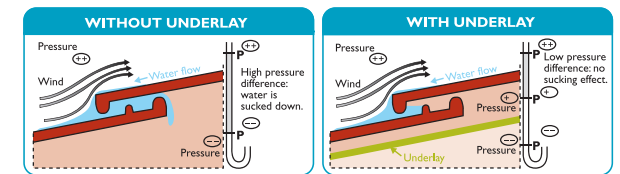
Increased roof performance

Radenshield™ reduces pressure variances, decreasing the risk of tile or roof sheeting from taking off in windy conditions.



Increased water tightness

Radenshield™ reduces water suction caused by windy conditions and pressure variance.



Enhanced protection

Radenshield™ helps prevent dust, pollen, sand and insects from accumulating in the roof cavity and penetrating the interior of the building for a healthier and more comfortable environment.

Easy to use

Radenshield™ aluminium radiant barriers go through a unique bonding process which prevents delamination and tearing, yet is flexible enough for quick and easy installation. Install in tiled-roof buildings with timber roof constructions, light-weight steel roof constructions or galvanised sheet steel-cladding.

See www.coverland.co.za for detailed instructions.