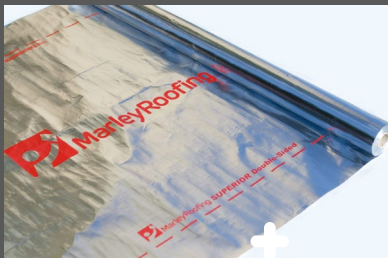




Still hitting ALL the right spots!

Our insulation systems are not just **SANS 53501-1 approved**, they can be combined to hit the perfect R-values to achieve the ideal balance between cooler summers and warmer winters, whilst keeping costs down!

Marley FR Superior Radiant Barriers stops radiation – keeping the heat out!



MARLEY SUPERIOR FR RADIANT BARRIER
FIRE RATING: B,s1,d1

3.7

M2.K/W as part of roofing system



MARLEY POLYWOOL
FIRE RATING: B,s1,d1



KNAUF CEILING ROLL
FIRE RATING: A1

Marley Polywool or KNAUF Ceiling Rolls seals the interior – keeps indoor temperatures stable!



MASSIVE COST SAVINGS PER M2

when compared to other single insulation systems.

CONTACT YOUR MARLEY REPRESENTATIVE FOR A QUOTE!

OR WHATSAPP US: + 27 83 345 7343

Continue for spec sheet



Your easy-to-use thermal insulation spec sheet!

Step 1:

Depending on the region where your project is based, select the correct energy zone with its relevant minimum deemed to satisfy R-value for insulation.

Step 2:

Determine the lowest deemed to satisfy fire performance classification for the building occupancy type and number of storeys for your project.

Step 3:

Select an insulation system that meets the minimum required R-value and Fire Performance classification, as well as the one that provides the best performance with the most economical cost per square meter.



Important!

If the reader is not familiar with any of the terms used in this document, or national standards pertaining to the correct application of insulation products, please consult TIPSASA's website for the newest:

- **Fire Classification Register**
- **SANS 10400-XA:2021 Thermal Insulation Guide**
- **SANS 53501-1 Fire Classification Guide!**



Scan QR code with smartphone camera or type URL in your search bar to access TIPSASA's website:

<https://tipsasa.co.za/>



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CLIMATIC ZONES

	ZONE 1 Bloemfontein JHB Kimberley Potch	ZONE 2 Worcester	ZONE 3	ZONE 4 Cpt George Petermaritzburg PE	ZONE 5 East London Mahikeng Polokwane Pta	ZONE 6	ZONE 7	ZONE 5H HIGH HUMIDITY Dbn
DEEM TO SATISFY R-VALUE TOTAL ROOF ENVELOPE	3,7	3,7	3,7	3,7	3,7	3,7	3,7	2,7
AVERAGE R-VALUE ROOFING MATERIAL	0,35	0,35	0,35	0,35	0,35	0,35	0,35	0,39
R-VALUE REQUIRED BY INSULATION	3,35	3,35	3,35	3,35	3,35	3,35	3,35	2,31
DIRECTION OF HEAT FLOW	UP	UP	UP&DOWN	UP	DOWN	UP	UP	DOWN
CONDENSATION	NO	NO		YES <small>TOP TIP! Specify VENTATILE/UBBINK VENTS</small>	NO			NO
<p>COST SAVING MARLEY SWEET SPOT DUAL COMBINATIONS ARE WELL SUITED FOR NEW BUILDS OF THESE OCCUPANCY TYPES:</p> <p>RESIDENTIAL TYPE OCCUPANCIES: H3,H4 & H5 AS WELL AS THESE: H5, J2,J3,J4, F1,F2,F3,G1,A2 ,A4,A5,B2,B3,C1,C2,D2,D3 -</p> <p>* PLEASE NOTE! ALL THE ABOVE OCCUPANCIES LISTED ONLY APPLICABLE UP TO 2 STOREYS!</p> <p>FOR OCCUPANCY: A3 - MARLEY SWEET SPOT DUAL COMBINATIONS CAN BE APPLIED UP TO 3 STOREYS!</p>	<p>SANS 53501-1 FIRE RATING: MARLEY POLYWOOL (*FABUFILL) = B-s1,d1 MARLEY SUPERIOR FR RADIANT BARRIER = B-s1,d1</p> <p>SANS 53501-1 FIRE RATING: KNAUF CEILING ROLL = A1</p> <p>75MM POLYWOOL REGULAR (1.69m².K/W) + SUPERIOR FR RADIANT BARRIER (2.15m².K/W) = 3.84m².K/W</p> <p>OR</p> <p>50MM KNAUF COMBI-CUT CEILING ROLL (1.25m².K/W) + SUPERIOR FR RADIANT BARRIER (2.15m².K/W) = 3.4m².K/W</p>							<p>40MM POLYWOOL LITE (0.76m².K/W) + SUPERIOR FR RAD BARRIER (2.15m².K/W) = 2.91m².K/W</p> <p>OR</p> <p>50mm KNAUF MULTI PACK CEILING ROLL (1.05m².K/W) + SUPERIOR FR RAD BARRIER (2.15m².K/W) = 3.2m².K/W</p>
<p>INSULATION SOLUTION FOR NEW BUILDS: ALL OCCUPANCIES, INCLUDING HIGHER THAN 3 STOREYS!</p>	<p>135MM KNAUF COMBI CUT CEILING ROLL = 3.38m².K/W</p>							<p>100MM KNAUF COMBI-CUT CEILING ROLL = 2.5m².K/W</p>
<p>BULK INSULATION SOLUTION WHERE NO INSULATION OR RADIANT BARRIER IS PRESENT</p> <p>POLYWOOL OR KNAUF MAY BE USED FOR RETROFIT RESIDENTIAL TYPE OCCUPANCIES: H3, H4 & H5 UP TO 2 STOREYS -</p> <p>NOTE! KNAUF MAY BE USED FOR ALL OCCUPANCIES AND ANY NUMBER OF STOREYS.</p>	<p>145MM POLYWOOL REGULAR = 3,35m².K/W</p> <p>OR</p> <p>135MM KNAUF COMBI-CUT CEILING ROLL = 3,38m².K/W</p>							<p>135MM POLYWOOL REGULAR = 3.1m².K/W</p> <p>OR</p> <p>100MM KNAUF COMBI-CUT CEILING ROLL = 2.5m².K/W</p>