

MALL KEPT COOL WITH QUALITY INSULATION

Alutherm® insulation proved to be the ideal solution to facilitate a comfortable operational environment inside the 15 016m² Zebediela Plaza in Limpopo, where 11 816m² of 135mm Alutherm® was installed.

Manufactured by Africa Thermal Insulations (ATI), Alutherm® is a flexible, heavy-duty bulk insulation material consisting of a fibreglass blanket laminated to a 4mm white bubble layer on one side and a reflective foil layer on the other side.

Nolene van den Heever, divisional sales director at ATI, points out that Alutherm® has excellent fire retardant properties. "The product is tested in accordance with SANS 428 – fire performance classification of thermal insulated building envelope systems," she states.

A GOOD COMMERCIAL FIT

"It is a quality product with good thermal values that can be installed as a single layer," says Hannelie Smit from Polygon Architects. "When specifying insulation for shopping centres that have grid ceilings, you need a product that can be installed under the roof sheeting without a second component above ceiling as the ceiling void has to be accessible," she explains.




Zebediela Plaza.

"On top of that, ATI's service is fantastic. We never have problems with stock availability and deliveries are on time. Especially for commercial projects, construction deadlines are critical because you work towards opening dates," Smit adds.

SPACER SYSTEM INSTALLED

Roofing contractor, Select Projects, installed a spacer system between the purlins to accommodate the 135mm Alutherm®. "We used spacers to minimise the compression of the insulation material and create a hard, flat surface on which we could attach the clips of the roof sheeting," says Ben Pretorius from Select Projects.

Select Projects recently celebrated 21 years of existence. 

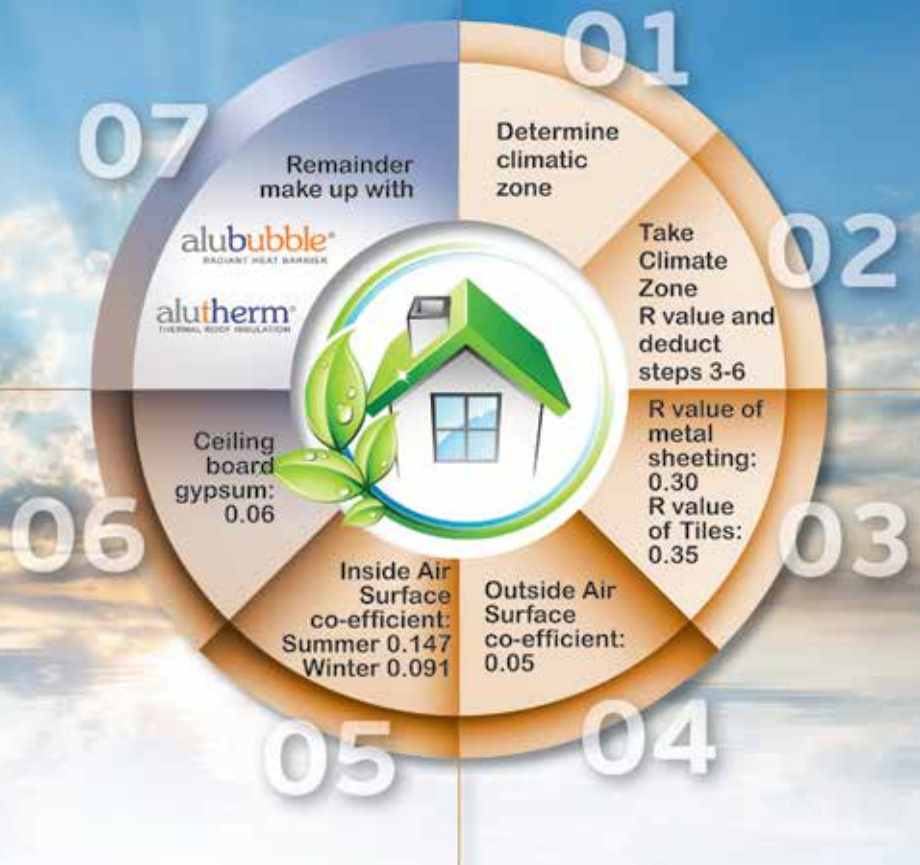
ATI

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7 SIMPLE STEPS TO CALCULATE ROOF R VALUES TO COMPLY WITH SANS 204



ATI
AFRICA THERMAL INSULATIONS
A DIVISION OF WEST HART ENGINEERING

For all your Insulation calculations, specifications and requirements contact ATI:
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Note: Calculations are based on X/boi 2-8-1971, 2-74-1987- Thermal and Water Vapour Transmission ASHRAE 25-2005 (RSA Values used.)