



pelican systems

flush plastered ceilings



Flush Plastered Ceilings make use of either JUMBO Flush Plastered Grid or JUMBO Steel Brandering to which JUMBO plasterboard would be fixed. Depending on the application a variety of plasterboards can be used including 7mm, 9mm and occasionally 12mm especially if a moisture resistant solution is needed for verandas, bathrooms or kitchen areas.

Flush Plastered Ceilings or Fixed Ceilings are popular for Residential and Commercial Ceiling applications. JUMBO plasterboard (also known as Gypsum Board) is fixed to either a Flush Plastered Grid system or JUMBO Steel Brandering. The JUMBO plasterboards are covered using either JUMBO Jointing Plaster (for a tape and join ceiling) or JUMBO Skimming Plaster (for a fully skimmed ceiling).

These products are also used for bulkheads where squares or rectangular areas are lowered or recessed to create a different level of ceiling and an opportunity for lighting and focus on an area of the ceiling.

The Flush Plaster Ceiling can be finished with a decorative cornice or designer ceiling trims to create clean lines, subtle curves, shadows, and different levels and features.

An extremely versatile ceiling application where your architect can make full use of the ceiling as a design feature.



grid...for flush plastered ceilings

JUMBO® Grid systems are specially designed to meet the stringent requirements of modern day sophisticated ceiling design.

We have expanded our range to include a premium and a regular version for our JUMBO® Grid system.

With the knowledge of the detailed specifications the grid system can be selected to suit the project, offering high quality premium options for coastal and exclusive projects or a more cost effective regular quality system for inland and less humid and demanding conditions.

JUMBO® Grid is suitable for any flush plastered ceiling application in commercial and residential sectors including, retail outlets, hospitals, schools, hotels, restaurants and residential ceilings.

With adaptable configurations JUMBO® Grid is suitable for curved and raised bulkheads and ideally suited to create special lighting effects.

Features and Benefits

- High performance, durability and ease of installation
- High quality galvanised steel offers stability and increases load bearing
- Zinc Coating - Z100 for coastal & high humidity / Z60 for inland & low humidity
- Quick Release Clip offers ease of Installation vs cost efficiency
- Offers versatility and flexibility to designers
- Positive lock coupling mechanisms with audible click
- Stepped end cross tees that prevent tee rotation
- Knurled face allows positive screw fixing
- Our warranty provides a performance guarantee
- Quality assurance standard



JUMBO® Grid 35mm x 38mm

Description	Size (m)	Qty / Box	Steel Grade	Zinc Coating	Clip	Warranty
Main Tee (Premium)	3.600	20	ISQ300	Z100	QRC Stainless Steel 304H	10 yrs
Cross Tee (Premium)	1.200	60	ISQ300	Z100	QRC Stainless Steel 304H	10 yrs
Main Tee (Regular)	3.600	20	ISQ230	Z60	Standard Clip	5 yrs
Cross Tee (Regular)	1.200	60	ISQ230	Z60	Standard Clip	5 yrs
Galvanised Angle 25 x 25 x 0.6 mm	3.600	25				

Manufacturing Standards: ASTM C635 / SANS 10400



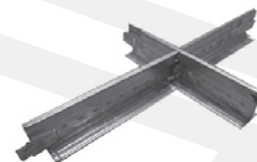
Main Tee



Cross Tee



25 x 25mm Angle





Premium Grid

- Galvanised Steel ISQ300
- Quick Release Clip (Stainless Steel 304H)
- Z100 Zinc Coating



 For coastal applications where humidity is high
Z100  Identification on carton

Regular Grid

- Galvanised Steel
- Standard Clip
- Z60 Zinc Coating



 For inland applications where humidity is low
Z60  Identification on carton



Zinc Coating: Protection Against Corrosion

Along with steel grade, zinc coating thickness is another critical factor. In coastal regions with high humidity, a zinc coating of Z100 is recommended for maximum corrosion resistance. Inland, a lighter coating such as Z60 may suffice. Site conditions should always be considered to ensure the correct specification for the application.

Recommendations for Installation

The main thing to consider before installing any ceiling system is that all structural and roofing work must be fully completed, sealed and watertight. The ceiling installation should never begin until the building is dry inside with no risk of rainwater ingress or moisture buildup. Moisture content in the area should be stable and low to avoid ceiling cracking or boards sagging.

1. Install after all heavy, dusty, or wet work is completed (walls plastered, screeds cured).
2. Normally follows first fix of the electrical and mechanical installations, so wiring and ducting above ceiling are already in place.
3. Before painting and final flooring.

Bill of Quantity Specification

Supply and install Pelican Systems JUMBO® Main Tees (Z60 / Z100) at 1200 centres in one direction and 1200mm JUMBO® Cross Tees (Z60 / Z100) at 400mm centres perpendicular to Main Tees. Main Tees to be suspended at 1200mm centres by means of 25 x 25 x 0.6mm Galvanised Steel Angle, fixed to bulb of Main Tee with 13mm Wafer Tek Screws or Steel Pop Rivets and to slab with 6 x 30mm Express Nails and Washers. Fix 7, 9 or 12mm Standard JUMBO® Plasterboard or 12mm Moisture Resistant Plasterboard to the underside of grid system with tapered edge of board facing down with 25mm Drywall Screws at 150mm centres. Depending on finish either apply 50mm JUMBO® Fibre Tape to all joints and finish the entire ceiling with 3-5mm JUMBO® Skimming Plaster or fix JUMBO® Fibre Tape to all joints and finish with JUMBO® Jointing Plaster.

All installations to be done in accordance with SABISA guidelines. Specifications are available on Autospec and our website.

A full list of stockists is available on the Contacts Page of our website.



steel brandering... the sensible solution for modern flush plastered ceilings

JUMBO® Steel Brandering is a modern, cost effective alternative to timber brandering for flush plastered ceilings and bulkheads. The beauty of JUMBO® Steel Brandering is the precision it allows due to the straightness and evenness of the profiles making this a preferred option for installers.

Features and Benefits

- Eco-friendly alternative instead of using scarce environmental resources
- Easy to install
- Levelling of the ceiling is an easy one step process
- Steel does not age, warp or deteriorate over time
- Steel has a longer-life span and is not susceptible to wood borer and other termites
- Cost Effective
- Easy transportation, handling and stacking
- Easy to cut
- Minimal waste

JUMBO® Steel Brandering is increasingly being preferred to traditional timber brandering for flush plastered ceilings where designs are far more elaborate with varying levels, shadows and bulkhead features.

Product Description

Description	Guage of Steel (mm)	Profile Dimensions (mm)	Sizes Available
Steel Brandering	0.4	36 x 18	2.7, 3.0, 3.6, 4.2
Suspension Bracket	0.8	45 x 150 / 45 x 300	150 / 300 mm
Joiner			75 mm

JUMBO® Steel Brandering is fitted perpendicular to the roof trusses by means of suspension brackets which are available in lengths of 150mm and 300mm (which accommodates large shadowline trims).

Swaged ends of the steel allow the profiles to be fitted together without the need for joiners. This interlocking feature allows for surface movement without the formation of any cracks forming in the ceiling.

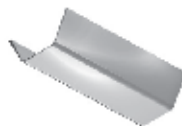
Joiners are available and can be used where cut ends are unavoidable.



Suspension Bracket



Steel Brandering



Joiner

JUMBO® Insulation Required to meet SANS 10400-XA & SAN 204 Requirements (mm)

Ceiling System	Board Thickness (mm)	Finish	Steel Brandering spacing (mm)	Climatic Zone					
				1	2	3	4	5	6
7mm JUMBO® H-Strip	7	H-Strip	400						
7mm JUMBO® Flush	7	Flush Plastered	300						
9mm JUMBO® Jointed	9	Tape & Join	500						
9mm JUMBO® Flush	9	Flush Plastered	400	135	115	100	135	100	135
12mm JUMBO® Jointed	12	Tape & Join	600						
12mm JUMBO® Flush	12	Flush Plastered	600						
PVC Ceilings	7	None	500						

	Fixing Centres		
	300 mm	400 mm	500 mm
Metres of Steel Brandering per m ² of ceiling	3.3	2.5	2

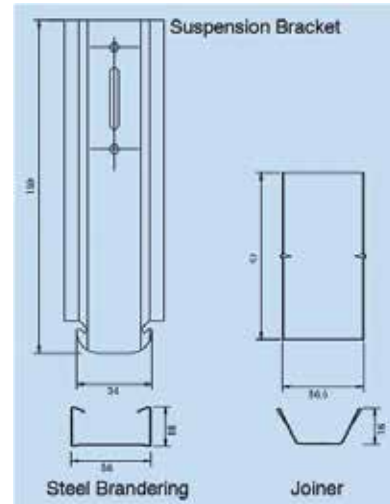
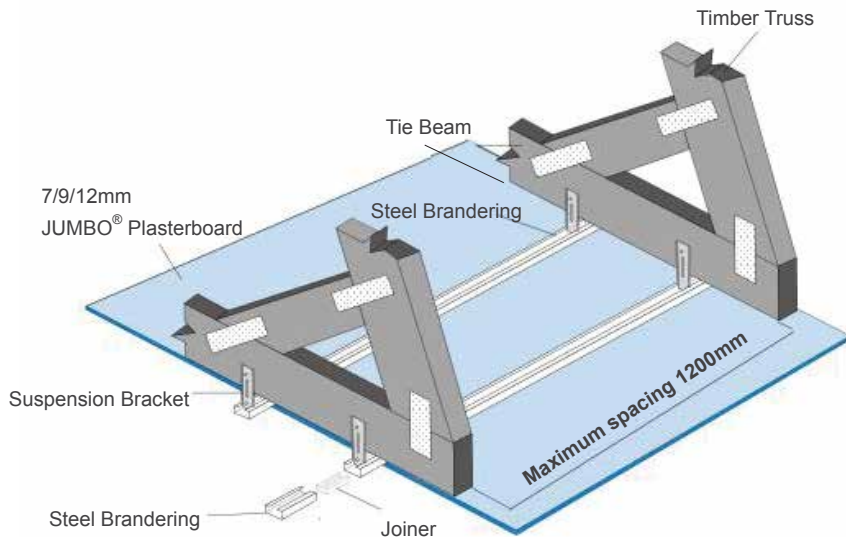
NB: Maximum tie beam / joist spacing shall not exceed 1200mm

The above calculations will provide approximate quantities and do not allow for wastage.

Allow for a Suspension bracket at every fixing point spaced at maximum 1200mm centres.



Typical 3 Dimensional Construction Detail



* sections not drawn to scale

Bill of Quantity Specification

7mm JUMBO® H-Strip Ceiling System

Fix one layer of 7mm JUMBO® Plasterboard to JUMBO® Steel Branderings installed at maximum 400mm centres. Fix JUMBO® Plasterboard using 25mm JUMBO® Drywall Screws at maximum 150mm centres. All joints shall be staggered. Install H-strips and spot the screw heads using JUMBO® Jointing Plaster. Ceiling grid consisting of JUMBO® Suspension Brackets (150/300mm) fixed to tie beam/joist using 35mm Drywall Course Thread Screws. Install 25 x 25mm Galvanised Steel Angle at ceiling level to the wall. Install JUMBO® Steel Branderings onto the suspension brackets. Fix JUMBO® Steel Branderings to the galvanised steel angle using 13mm Wafer Tek Screws.

9/12mm JUMBO® Tape & Join Ceiling System

Fix one layer of 9/12mm JUMBO® Plasterboard to JUMBO® Steel Branderings installed at maximum 500/600mm centres. Fix JUMBO® Plasterboard using 25mm JUMBO® Drywall Screws at maximum 150mm centres. All joints shall be staggered. Apply JUMBO® Fibre Tape to all joints and cover it with 2 layers of JUMBO® Jointing Plaster. Ceiling grid consisting of JUMBO® Suspension Brackets (150/300mm) fixed to tie beam / joist using 35mm JUMBO® Drywall Course Thread Screws. Install 25 x 25mm Galvanised Steel Angle at ceiling level to the wall. Install JUMBO® Steel Branderings onto the suspension brackets. Fix JUMBO® Steel Branderings to the galvanised steel angle using 13mm Wafer Tek Screws.

7/9/12mm JUMBO® Flush Plastered Ceiling System

Fix one layer of 7/9/12mm JUMBO® Plasterboard to JUMBO® Steel Branderings installed at maximum 300/400/600mm centres. Fix JUMBO® Plasterboard using 25mm JUMBO® Drywall Screws at maximum 150mm centres. All joints shall be staggered. Apply JUMBO® Fibre Tape to all joints and skim the ceiling with JUMBO® Skimming Plaster. Ceiling grid consisting of JUMBO® Suspension Brackets (150/300mm) fixed to tie beam / joist using 35mm JUMBO® Drywall Course Thread Screws. Install 25 x 25mm Galvanised Steel Angle at ceiling level to the wall.

Install JUMBO® Steel Branderings onto the suspension brackets. Fix JUMBO® Steel Branderings to the galvanised steel angle using 13mm Wafer Tek Screws.

All installations to be done in accordance with SABISA guidelines. Specifications are available on Autospec and our website.

Pelican Systems has had an ISO 9001 Quality Management System in place from 2005 to 2020.

A full list of stockists is available on the Contacts Page of our website.



plasterboard for ceilings

The question of quality versus speed has always been a contentious one in interior design. Economics and demand require buildings to go up quickly and affordably, which can compromise quality. JUMBO® Plasterboard offers an alternative solution for internal walls and can be used for both residential and commercial ceiling applications. JUMBO® Plasterboard is also used to form bulkheads, create curved ceilings, floating ceilings and radiused walls. An extremely versatile product which can accommodate innovative and creative design features, JUMBO® Plasterboard achieves the aesthetic requirements of the design without the necessary drying time for alternate wet trade solutions. All our JUMBO® products are compatible with our ceiling and partition systems.

Features and Benefits

- Quick and easy to install
- Durable, recyclable and versatile
- Light weight

JUMBO® 7mm Plasterboard Square Edge

Recommended for residential ceilings when used in conjunction with our JUMBO® Suspension system (Steel Brandering / JUMBO® Grid) an extremely level ceiling surface can be achieved. Orders and planning are simplified and handling and storage is easier on site as 7mm JUMBO® Plasterboard is stocked in four lengths and one width only.

Sizes	Weight / Board (kg)	Quantity / Pallet
2400 x 1200 SE	14.40	100
2700 x 1200 SE	16.20	100
3000 x 1200 SE	18.00	100
3600 x 1200 SE	21.60	100

100 per pallet | 5.0 kg/m²

JUMBO® 9mm Plasterboard Tapered Edge

Recommended for commercial ceilings and up-market residential ceilings. Floating ceilings and innovative bulkhead designs can be achieved using the 9mm JUMBO® Plasterboard, JUMBO® Angles and Shadowline Plaster Trims.

Sizes	Weight / Board (kg)	Quantity / Pallet
2400 x 1200 TE	17.57	100
2700 x 1200 TE	19.76	100
3000 x 1200 TE	21.96	100
3600 x 1200 TE	26.35	80

80 per pallet | 6.10 kg/m²

JUMBO® 12mm Moisture Resistant Plasterboard Tapered Edge

Recommended for both residential and commercial ceiling and drywall applications for wet areas ie: bathrooms and kitchens. 12mm JUMBO® Moisture Resistant Plasterboard is used to form smooth, straight drywalls with sharp edges and when used in conjunction with our drywall systems can provide moisture, impact and acoustic solutions.

Sizes	Weight / Board (kg)	Quantity / Pallet
2700 x 1200 TE	26.89	70
3000 x 1200 TE	29.88	70





fibre cement boards

JUMBO Fibre Cement Board is manufactured using an autoclave process to compress top quality cement with natural fibers. The result is an elegant, eco-friendly and extremely durable fiber cement board that provides the perfect base for diverse applications in architecture and interior design.

A non-abestos product that is resistant to moisture and impact, making it suitable for both interior and exterior applications including ceilings, partitions, as an interior lining to wet areas, cladding and many other uses.

Thickness	Length	Edge Detail	Density
4mm	2400 / 2700 / 3000mm	Square Edge	Medium
6mm	2700 / 3000mm	Square Edge	Medium
9mm	2700 / 3000mm	Square Edge	Medium

Features and Benefits

JUMBO Fibre Cement Board is resistant to moisture, impact, fire, termites and various weather conditions. It also offers excellent sound insulation. Which makes it an ideal choice for a variety of interior as well as exterior applications. With zero abestos, it ensures that your living and working spaces stay healthy and sustainable.

Fibre Cement is a non – combustible material with an index of zero for both flame spread and smoke development.



JUMBO Fibre Cement Board for Ceilings ... extreme resistance

JUMBO Fibre Cement Board is a strong, lightweight and long-lasting board to create classic and contemporary ceilings.

Its flat and smooth surface is perfect for seamless ceiling designs and easy-to-install for grid ceiling systems.

It offers high resistance to humidity, fire and extreme weather conditions. This makes JUMBO Fibre Cement Board ideal for both indoor and outdoor ceiling applications across varied decor styles and genres.

JUMBO Fibre Cement Board for Partitions ... durable and impact resistant

High durability and resistance to impact protects the product from damage and extends application life. Superior sound insulation and resistance from moisture, termite and fire ensures hassle-free applications accross residential to hospitality projects. Its dimensional stability and easy workability provides strength with convenience.

JUMBO Fibre Cement Board also gives you flexibility of a wide range of finishes so that you get functionality with aesthetics.

JUMBO Fibre Cement Board for Internal Linings ... reliable resistance

Resistant to damage from moisture impact and termites. Fire and sound insulation are added benefits.

JUMBO Fibre Cement Board for Wet Areas ... maximum water resistance

JUMBO Fibre Cement Board provides the ideal base as backing materials for wet and humid areas.

Exceptional moisture resistance assures no deterioration and growth of moulds or mildew due to dampness - thus saving you costly repairs and replacements.

Durability and impact resistance increases product longevity while good load bearing capacity offers ease of handling and installation. This makes JUMBO Fibre Cement Board perfect for bathrooms, spas, shower rooms, kitchens and other wet rooms.



Applications	4mm	6mm	9mm
Indoor Ceiling / False Ceiling	•	•	
Eave, Arch & Attic Ceiling	•	•	
Internal Partitions - Half / Full Height		•	•
Internal Lining		•	
Eaves & Soffit Lining	•	•	•
Wet Areas		•	•
Pre-fabricated Shelter - Internal / External Walls		•	•

The product has undergone multiple tests for physical, mechanical, fire resistance and durability.

Physical Properties	Unit of Measure	Fibre Cement Board	Standard Test Method
Thickness Tolerance	%	+/- 8%	ASTM C1185
Density	kg/m ³	1,300 +/- 50	ASTM C1185
Water Absorption	%	Max. 35	ASTM C1185
Moisture Resistance	%	≤15%	ASTM C1185
Mould Resistance		Pass	ASTM D3272
PH Value		7- 8	ISO 10390-2005
Water Tightness		Pass	ASTM C1185
Mechanical Properties	Unit of Measure	Fibre Cement Board	Standard Test Method
Modulus of Rupture at EMC (Avg.)	MPa	>10 (EMC)	ASTM C1185
Modulus of Elasticity on Machine Direction (EMC)	MPa	>5,000 (EMC)	ASTM C1185
Modulus of Rupture on Wet (Avg.)	MPa	>7 (Wet)	ASTM C1185
Modulus of Elasticity on Machine Direction (Wet)	MPa	>4,000 (Wet)	ASTM C1185
Fire Resistance Properties	Unit of Measure	Fibre Cement Board	Standard Test Method
Ignitibility		Pass	BS476 Part 5
Fire Propagation Index		Pass	BS476 Part 6
Surface Spread of Flame		Pass	BS476 Part 7
Smoke Development Index (SDI)		Pass	ASTM E84-00a
Flame Spread Index (FDI)		Pass	ASTM E84-00a
Durability	Unit of Measure	Fibre Cement Board	Standard Test Method
Heat / Rain Resistance		Pass	ASTM C1185
Warm Water Resistance		Pass	ASTM C1185
Freeze / Thaw Resistance		Pass	ASTM C1185
Soak / Dry Resistance		Pass	BS EN 12467:2000

ASTM – American Standard | ISO – International Standards | BS – EN – British Standard – European Norms

Manufacturer's Certification

ISO14001 for Environmental Management from ISO Standard AJA EQS of the United Kingdom.

ISO9001:2008 for Quality Management from the International Standard Institute for Head Office, Manufacturing Plants and Distribution Channels.



plasters... it's all in the finish

Understanding the importance of the finishing of a ceiling and drywall and that it can detract from or enhance the overall finished look we have carefully chosen the plasters to brand JUMBO® and are confident that both the JUMBO® Skimming and JUMBO® Jointing are quality plasters that will produce a quality finish.



JUMBO® Skimming Plaster

Is a multi-purpose interior gypsum plaster especially formulated for skimming on brick, plasterboard and cement with no need for pre-treatment. It provides a smooth, inert, high quality surface to internal walls and ceilings, and a durable base for the application of decorative finishes.

JUMBO® Skimming Plaster allows for a one-step product application to save time and money and deliver a better quality high performance finish.

Features and Benefits

- Increased spreading rate – goes further and saves you money
- Improved workability and flexibility – saving application time and labour costs
- Superior finish – in both smoothness and whiteness
- Harder once dry, so less prone to chipping, cracking and shrinkage
- Silky smooth finish which requires no sanding prior to painting
- A brilliant white finish allows for improved paint coverage
- Product Shelf life is at least 12 months when stored correctly

New bag size - 25kg - easier product handling and less wastage

JUMBO® Jointing Plaster

A joint filler formulated specially for short setting times. It is designed as a filler for plasterboard systems but can also be used as an interior crack filler and for filling rough plaster surfaces prior to painting.

Features and Benefits

- 50 - 60 minutes working time for prepared batch
- 65 minutes setting time allows for faster work on site
- High coverage of approximately 350g/m² of plasterboard
- Excellent surface for decorating with paint or wallpaper
- Product Shelf life is at least 9 months when stored correctly

Available in 15kg and 25kg bag sizes

JUMBO® plasters are designed to be ultra-tough, ultra-smooth and ultra-white.

JUMBO® plasters dry fast and are easy to apply over masonry, concrete, plasterboard and other surfaces.

Made from the highest quality ingredients, with careful environmental consideration and superior performance and finish JUMBO® Skimming and JUMBO® Jointing are quality plasters well worth trying.



All installations to be done in accordance with SABISA guidelines. Specifications are available on Autospec and our website.

A full list of stockists is available on the Contacts Page of our website.



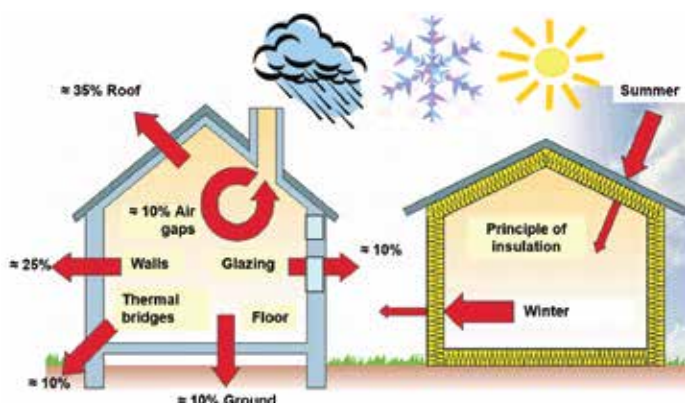
insulation... your thermal energy saver!

Insulation has become a vital part of all building developments not just with the legislation by NBR requiring that all new buildings and renovations requiring plan approval to be insulated but also with society's pressure to live a "greener" lifestyle.

JUMBO® Insulation facilitates both - providing insulation, saving electricity and making a contribution towards a "Greener" tomorrow by its contribution to reducing greenhouse gases.

40% of SA total energy currently used in buildings

Correctly insulating the building envelope in combination with energy saving techniques can control energy losses and reduce energy consumption by up to 78%



Features and Benefits

- 100% people and nature friendly
- 100% recyclable
- It will not absorb water and will dry naturally regaining its resistance and density
- Fire tested in accordance with SANS 10177-10 (428)
- Non-toxic, there are no chemical additives and it is completely odourless
- Maintenance free, it retains loft and does not degrade over time

JUMBO® Insulation IS FULLY COMPLIANT and has the SABS test and mark.

Product Specifications

Thickness	Metres per Roll	Roll width	Area Covered in m ² per Roll	Density per Roll kgs/m ³	*Weight per Roll in kgs	"R" Value	Packaging Colour
50mm	10	1.200	12.0	10.1	6	1.15	Green
100mm	6	1.200	7.2	10.1	7.2	2.20	Yellow
135mm	5	1.200	6.0	10.1	8.1	2.70	Purple

* Note: 10% variance allowable either up or down

R-VALUE = MATERIAL RATING FOR THEIR PERFORMANCE IN RESTRICTING HEAT TRANSFER.

This is expressed as the R-VALUE which is the measure of the materials resistance to heat transfer, alternatively known as thermal resistance. The higher the R- VALUE the greater the insulation effect.

Know the Legislation

The National Building Regulations (NBR) which came into effect on 9 November 2011 implemented two new standards to regulate energy usage and energy efficiency in buildings.

- SANS 10400-XA – Energy usage in buildings
- SANS 204 – Energy efficiency in buildings

All new buildings and extensions are required to comply with the new regulations which state that all new buildings and building extensions as per the building occupancy classes specified in the regulation will be required to have thermal insulation installed. Thermal Insulation is compulsory in the design of new buildings with a floor area > 80m².

Over and above the requirement to include insulation into the building, the overall roof assembly including the roof covering materials (tiles, metal sheeting) ceilings and the insulation, are required to meet a minimum total thermal resistance as specified for the various climatic zones.

(Ref. www.tiasa.org.za)

Levels of Insulation

The level of insulation will depend on the climatic zone, building construction type, and whether auxiliary heating and/or cooling is used.

The following deemed-to-satisfy rules are to be applied by the building owner at the design stage of the building if he chooses not to consider a rational design option. A roof and/or ceiling that are part of the building envelope must achieve the Total R-Value as specified in SANS 10400-XA for the direction of heat flow.

The following table below gives typical data and deemed-to-satisfy thicknesses of generic insulation products in accordance with SANS 204 Energy efficiency in buildings.

Map of the Climatic Zones and Recommended Levels of Insulation in your area.

A map of South Africa divided into six climate zones, each color-coded and labeled with major cities. Zone 1 (Cold Interior, light blue) includes Johannesburg and Bloemfontein. Zone 2 (Temperate Interior, light orange) includes Pretoria and Polokwane. Zone 3 (Hot Interior, orange) includes Louis Trichardt and Nelspruit. Zone 4 (Temperate Coastal, dark blue) includes Cape Town and Port Elizabeth. Zone 5 (Sub-tropical Coastal, green) includes East London, Durban, and Richards Bay. Zone 6 (Arid Interior, yellow) includes Upington and Kimberley. Other cities shown include Alexander Bay, Saldanha Bay, Cape Town, Worcester, George, Oudtshoorn, Port Elizabeth, East London, Durban, Richards Bay, Welkom, Kimberley, Upington, Calvinia, Sutherland, and Mossel Bay.

Legend	Zone	Description	Major Centres	R-Value	Thickness
	1	Cold Interior	Johannesburg, Bloemfontein	3.38	135mm
	2	Temperate Interior	Pretoria, Polokwane	2.88	115mm
	3	Hot Interior	Louis Trichardt, Nelspruit	2.50	100mm
	4	Temperate Coastal	Cape Town, Port Elizabeth	3.38	135mm
	5	Sub-tropical Coastal	East London, Durban, Richards Bay	2.50	100mm
	6	Arid Interior	Upington, Kimberley	3.38	135mm

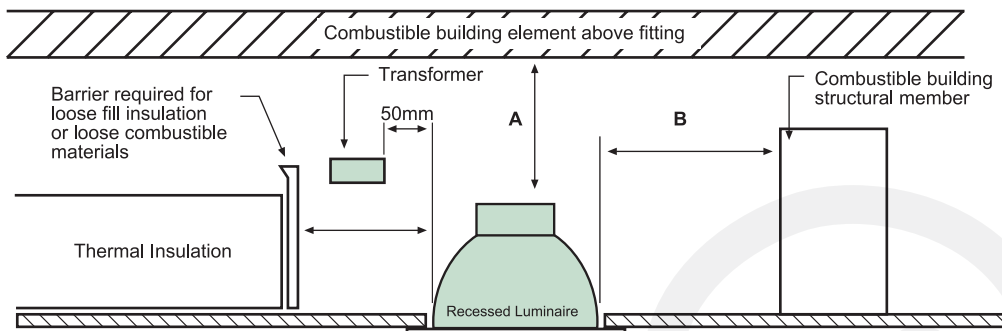
Recommended Levels of Insulation to Achieve Deemed-To-Satisfy Rule for Energy Efficiency in an Unventilated Roof and Ceiling Construction								
Climate Zones			1	2	3	4	5	6
Minimum required Total R-Value (m ² .K/W) (for roof solar absorptance of more than 0.55)			3.7	3.2	2.7	3.7	2.7	3.5
Direction of heat flow			Up	Up	Down and Up	Up	Down	Up
Estimated Total R-Value (m ² .K/W) of roof and ceiling materials (Roof covering & plasterboard only)			0.35 - 0.40				0.41 - 0.53	0.35 - 0.40
Estimated Minimum added R-Value of Insulation (m ² .K/W)			2.30 - 3.35				2.15 - 2.29	3.10 - 3.15

Generic Insulation Product	Density kg/m ³	Thermal conductivity W(m.k.)	Example: Roof construction description: metal/tile roof 22° - 45° pitch with horizontal ceiling. DTS - Recommended deemed-to-satisfy min thickness (mm) of bulk insulation product only: or RB: System option with addition of Radiant barrier over rafters - approx (mm) of bulk insulation required.											
			DTS product	RB system	DTS product	RB system	DTS product	RB system	DTS product	RB system	DTS product	RB system	DTS product	RB system
Flexible Polyester Blanket	11.5	0.16	160	120	140	100	120	80	160	120	110	75	150	120

The Right Insulation matters.... JUMBO insulation is 100% ECO & PEOPLE FRIENDLY

A well-insulated home or building will provide year-round comfort, cutting cooling and heating costs and reducing greenhouse emissions. JUMBO Insulation keeps your house cool in summer and warm in winter and will save you on electricity costs all year round. Spend a little more today and save year after year.

Installation Guidelines



Default Minimum Clearances for Recessed Luminaires		
Dimension	Incandescent lamp	Halogen lamp
A - clearance above luminaire	50 mm	200 mm
B - side clearance to structural member	100 mm	200 mm
C - clearance to thermal insulation	50 mm	200 mm
D - clearance to supply transformer	50 mm	



Manufactured by
Platinum Fibre (Pty) LTD
who is a member of TIASA



Head Office / Durban (031) 563 7307

Pietermaritzburg Branch (033) 345 3701

Northriding Branch 087 352 729 6 / 7 / 8 / 9

Centurion Branch 087 352 7268 / 6 / 8 / 9

A full list of stockists is available on the Contacts Page of our website.

Find us online at

www.pelican.co.za

or any of these social media sites

