



BULK INSULATION (Flexible or Loose fill) Database [Generally installed on top of ceiling in buildings]						
Note: Bulk ceiling insulation is generally un-faced UNLESS SPECIFIED which then changes the product classification						
Product/Brand Name	Thick (mm)	Type	Insulation manufacturer / Sole distributor	Fire report number	Report date	Fire Classification
*Aerolite (Think Pink)	135	Glass wool	Isover Saint Gobain	FTC13-088	2013/08/20	A/A1/1
*Eco Insulation	75	Cellulose fibre	Eco Insulation	FTC12-123	2012/12/04	B/B1/2 H only
*Fabufill	100	Polyester fibre	Platinum Fibre	FTC13-173	2014/03/11	B/B2/2 H only
*Isotherm	100	Polyester fibre	Brits Non-woven	FTC13-014	2013/05/06	B/B1/2 H only
*Romatherm	100	Polyester fibre	Datlink Insulation	FTC11-116	2011/10/26	B/B1/2 H only
*Romatherm/EMSulation	135	Polyester fibre	Datlink Insulation	FTC15-148	2016/01/05	B/B2/2 H only
*Spunbond	135	Fibre glass	IC & D	FTC 15-140	2015/11/09	A/A1/1
*Starfibre	135	Polyester fibre	D&D Roof Insulations	FTC 15-142	2016/01/05	B/B2/2 H only
*Starlite (Acrylic)	135	Acrylic fibre	D&D Roof Insulations	FTC14-007	2014/05/16	A/A1/1
*Thermguard	100	Cellulose fibre	Thermguard	FTC10-170	2011/03/03	B/B1/2 H only
SAFETY ALERT – CEILING INSULATION						
Heat-producing fixtures should be isolated from the thermal insulation to prevent fire hazards. These include recessed lighting fixtures. Install non-combustible downlight protection covers, to protect the insulation.						
BULK INSULATION (Rigid un-faced) Database [Installed as suspended ceiling]						
*ThermocousTex Plain Board	35	Polyester/Kenaf	Datlink Insulation	FTC15-004(a)	2015/07/07	B/B1/2 H only
BULK INSULATION (Rigid un-faced) Database [Generally installed under roof & over purlins and/or side cladding in buildings]						
*Isoboard	80	XPS	Isofoam SA (Pty) Ltd	FTC15-029	2015/08/24	B/B1/2/H&V (SP & USP)
*Neopor® BASF NE 2200	120	EPS	Technopol (SA) (Pty) Ltd	FTC13-072	2013/09/05	B/B1/2/H&V (USP)
*StyFRene (BASF material)	100	EPS	Saint Gobain Isover	FTC13-084	2013/08/19	B/B1/2/H&V (USP)
*StyFRene (BASF material)	100	EPS	Technopol	FTC13-084	2013/08/19	B/B1/2/H&V (USP)
COMPOSITE BULK INSULATION – Flexible (Faced) Database [Generally installed under roof & over purlins and/or side cladding in buildings]						
*Alutherm Fibre Glass AFW(MF)	50	LDPE/Glass	Africa Thermal Insulation	FTC10-001	2010/07/19	B/B1/2/H only (USP)
*Factorylite WMF	135	WMF/Fiberglass	Saint-Gobain Isover	FTC10-129	2010/11/15	A/A1/1/H only (SP & USP)
*Factorylite Foil Faced	135	FF/Fiberglass	Saint-Gobain Isover	FTC13-099 (c)	2013/09/06	A/A1/1 H&V (SP & USP)
*MBI Foil Faced	135	Foil/Fiberglass	Granric Insulation	FTC 13-115 (a)	2013/09/05	A/A1/1 H&V (SP & USP)
*MBI White Faced	135	White/Fiberglass	Granric Insulation	FTC 13-115 (b)	2013/09/05	A/A1/1 H&V (SP & USP)
*MBI White WMF Coated	75	Coated/Fiberglass	Granric Insulation	FTC 15-053 R1	2015/08/04	A/A1/1 H&V (SP & USP)
*MassterLiner White Faced	135	Foil/Fiberglass	IC & D	FTC16-031	2016/04/21	A/A1/1/H (SP & USP)
*MassterLiner Foil Faced	135	Foil/Fiberglass	IC & D	FTC16-159	2016/09/20	A/A1/1/H (SP & USP)
*Starlite AC (Acrylic) Foil Faced	50	Foil/Fiberglass	D & D Roof Insulations	FTC09-046 a	2012/12/11	A/A1/1/H&V (SP & USP)
*Starlite (Glass Fibre) White Faced	100	Foil/Fiberglass	D & D Roof Insulations	FTC10-133 a	2012/12/11	A/A1/1/H&V (SP & USP)
*Starlite (Glass Fibre) Foil Faced	100	Foil/Fiberglass	D & D Roof Insulations	FTC10-133 a	2012/12/11	A/A1/1/H&V (SP & USP)
*Starlite PH (Phenolic) White Faced	100	Foil/Fiberglass	D & D Roof Insulations	FTC12-057a	2012/08/29	A /A1/1/H only (SP & USP)
*Starlite PH (Phenolic) Foil Faced	50	Foil/Fiberglass	D & D Roof Insulations	FTC12-057b	2012/08/29	A /A1/1/H only (SP & USP)
*Starlite Foil (AFT Faced)	100	Foil/Fiberglass	D & D Roof Insulations	FTC12-130	2012/12/03	A /A1/1/H only (SP & USP)
*ThermocousTex Foil Faced	50	Foil/Polyester	Datlink Insulation	FTC15-004(b)	2015/07/08	B/B1/2/H (USP)
COMPOSITE BULK INSULATION – Rigid (Faced) Database [Generally installed under roof & over purlins and/or side cladding in buildings]						
*Factoryboard WMF	50	WMF/Fiberglass	Saint-Gobain Isover	FTC10-169	2011/03/02	B/B1/2/H&V (SP & USP)
*Factoryboard Foil Faced	50	Foil/Fiberglass	Saint-Gobain Isover	FTC10-132	2010/12/01	B/B1/2/H&V (SP & USP)
*Factoryboard LR3010B	50	Foil /Glasswool	Saint-Gobain Isover	FTC11-062	2011/07/19	B/B1/2/H&V (SP & USP)
*Kulite White Vynide Faced	25	Vynide / EPS	Saint-Gobain Isover	FTC11-048	2011/06/15	B/B1/2/H only (USP)
REFLECTIVE FOIL LAMINATES used as RADIANT BARRIER/UNDERTILE MEMBRANE Database [Generally installed under roof & over rafters in residential applications]						
*Alulite	LDPE	Africa Thermal Insulation		FTC16-083	2016/07/20	B/B1/2 H only
*Sisalation HF2	Foil	Afripack Coatings		FTC10-147b	2011/03/05	B/B1/2 H only
*Sisalation 405	Foil	Afripack Coatings		FTC11-106	2011/10/01	B/B1/2 H only
*Spunsulation 3 Radiant Barrier	Foil	Spunchem International		FTC11-032a	2012/12/19	B/B3/3 H only
*Spunsulation 4 Contractors Choice	Foil	Spunchem International		FTC11-032a	2012/12/19	B/B1/2 H only
*Spunsulation 5 Light Radiant Barrier	Foil	Spunchem International		FTC11-032a	2012/12/19	B/B1/2 H only
REFLECTIVE FOIL LAMINATES Database [Generally installed over purlins and/or side cladding in Industrial Buildings]						
*Alububble D10 Code 2906 Single	LDPE	Africa Thermal Insulation		FTC09-003	2010/07/19	B/B1/2/H only (SP & USP)
*Alububble D10 Code 1983 Double	LDPE	Africa Thermal Insulation		FTC16-066	2016/07/20	B/B1/2H only (SP & USP)
*Alucushion D10 Code 2906 FR	LDPE	Alucushion (Pty) Ltd		FTC16-170	2016/10/24	B/B1/2/H only (SP)
*Spunsulation Illumina	Foil	Spunchem Africa		FTC12-001	2012/03/22	B/B1/2/H only (SP)
*Sisalation FR 405	Foil	Afripack Coatings		FTC11-012	2011/03/28	B/B1/2/H&V (SP & USP)
*Sisalation FR 430	Foil	Afripack Coatings		FTC10-174a	2011/03/04	B/B1/2/H&V (SP & USP)
*Spunsulation 5 Industrial	Foil	Spunchem Africa		FTC11-098b	2011/10/01	B/B1/2/H&V (SP & USP)
*All information, recommendation or advice contained in this publication is given in good faith to the best of TIPSASA's knowledge and based on current standards and regulations in effect. TIPSASA cannot be held responsible for any loss incurred through incorrect or faulty use of its Publications. No responsibility will be accepted by TIPSASA for any errors and/or omissions, which may have inadvertently occurred. © For more information please phone (012) 663 1480 / 0861 000 334 or Mobile: 082 305 8559 Website: www.tipsasa.co.za						



Fire performance classification of thermal insulated building envelope systems in accordance with SANS 428:2012

The fire performance classification of products is required in terms of SANS 10400 Part T Fire Protection. Refer section 4.5 subsection 4.5.3, section 4.12 subsection 4.12.1.5, and section 4.13 subsection 4.13.1; which states, quote "When any insulation, roof lining or waterproof membrane not used as a ceiling and used under a roof covering as part of a roof assembly, is tested in accordance with SANS 10177-5 and found to be combustible, such material shall be acceptable should it be classified, marked and installed in accordance with the requirements of SANS 428" unquote. The classified products shall bear the manufacturer's name; date manufactured, batch number, trade name and SANS 428 Classification. This classification shall be fixed permanently to the original product and container/packaging and include the end-use conditions of approval, i.e. Fire Performance Classification.

In accordance with the TIPSASA Fire Testing Protocol the fire classification remains valid for a period of seven calendar years from date of issue, unless cancelled or revoked. These classifications apply only to the specimens tested. Should the relevant South African National Standards be amended during the validity of this classification period, the product is to be re-tested in accordance with the amended SANS Standards.

1. Classification Type Combustibility	Class	Description of materials behaviour and occupancies
	A	Non-combustible
	B	Combustible
Surface Fire Properties		
2. Classification Type Surface Fire Properties	A1 or B1	No flame spread
	A2 or B2	Low flame spread (no flaming droplets or burning brand)
	A3 or B3	Low flame spread (with flaming droplets or burning brand)
	A4 or B4	Average flame spread (no flaming droplets or burning brand)
	A5 or B5	Average flame spread (with flaming droplets or burning brand)
	A6 or B6	Rapid fire spread

3. Use of products in accordance with Occupancy Classifications see Regulation A20
The symbols below shall be used to indicate the designated use of materials in buildings.

Class of Occupancy	Type of Occupancy	Use	Class of Occupancy	Type of Occupancy	Use
A1	Entertainment & Public Assembly	1	E3	Other institutional (residential)	1
A2	Theatrical & indoor sport	2	E4	Health care	2
A3	Places of instruction	2	F1	Large shop	3
A4	Worship	2	F2	Small shop	3
A5	Outdoor sport	4	F3	Wholesalers' store	3
B1	High risk commercial	2	G1	Offices	3
B2	Moderate risk commercial	2	H1	Hotel	1
B3	Low risk commercial	3	H2	Dormitory	1
C1	Exhibition hall	2	H3	Domestic residence	3
C2	Museum	2	H4	Dwelling house	3
D1	High risk industrial	2	H5	Hospitality	3
D2	Moderate risk industrial	2	J1	High risk storage	2
D3	Low risk industrial	3	J2	Moderate risk storage	2
D4	Plant room	1	J3	Low risk storage	3
E1	Place of detention	1	J4	Parking garage	4
E2	Hospital	1			

Notes: 1) The number 1 under "use" indicates that only non-combustible products are to be used in that particular building occupancy classification.
2) The classification as listed above (numbers 2, 3 & 4) implies that products with equal or better classification are also suitable for usage. Classification listed is for both sprinklered and un-sprinklered buildings, with the proviso that the product has been successfully evaluated as suitable for use with sprinklers.

4. Permissible Application		5. Tested with sprinklers (SP) or without sprinklers (USP)	
Horizontal (under-roof) only	H	Not protected by a sprinkler system.	USP
Vertical (side cladding) only	V	Protected by a sprinkler system.	SP
Horizontal and vertical application	H & V		

Example of Fire Performance Classification

1. Combustibility	2. Surface Fire Properties	3. Use per Occupancy	4. Application	5. Sprinkler (SP) or un-sprinklered (USP)
A = Non-combustible	A1 = No flame spread	1 = No limitations	H & V = Horizontal & Vertical	
B = Combustible	B1 = No flame spread	2/3/4 = Use list for Building Occupancy Classes	H / V / or H & V = Horizontal & Vertical	Tested SP or USP State SP or USP