



SAINT-GOBAIN CEILING SYSTEM SUMMARY

System Reference Number	Board/Tile Type	Board /Tile Thickness (mm)	Framework Spacing (centres)						Finish	R-value (m² K/W)	(aw) Absorption Coefficient/NRC/ Absorption Class - (inclusive of insulation)	Layout
			Gypframe® D38FR Main Tee	Gypframe® D38FR Cross Tee 1200 mm +/- 600 mm	Gypframe® T Main Tee 1	Gypframe® T Cross Tee 1200 mm +/- 600 mm	Ecophon Connect T24 Main Runner	Ecophon Connect T24 Cross Tee 1200 mm +/- 600 mm				
Exposed Ceiling System												
EC1901_1, EC1901_2, EC1902_1, EC1902_2,	Gyprex® Fissured tiles	9 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Vinyl-faced	0,042	Not Applicable	
EC1904_1, EC1904_2, EC1905_1, EC1905_2,	Gyprex® Fissured tiles	12.5 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Vinyl-faced	0,056	Not Applicable	
EC1907_1, EC1907_2, EC1908_1, EC1908_2,	Gyprex® White tiles	9 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Vinyl-faced	0,042	Not Applicable	
EC1910_1, EC1910_2, EC1911_1, EC1911_2,	Gyprex® White tiles	12.5 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Vinyl-faced	0,056	Not Applicable	
Acoustic Ceiling System												
EA1913, 14	Gyptone™ Tile Line 4	10 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Paper-faced	-	0.60-0.7 / 0.7-0.75 / C	
EA1916, 17	Gyptone™ Tile Point 11	10 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Paper-faced	-	0.65-0.75 / 0.65-0.7 / C	
EA1919, 20	Fibrotone™ Fine Fissured Tiles	16 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Fine Fissured	0,26	0.5 / 0.55 / D	
EA1922_1, EA1923_1	Fibrotone™ Pin Perforated Tiles	16 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Pin Perforated	0.373	0.5 / 0.55 / D	
EA1925A, 25A, 26A, 26B, 27A, 27B	Cineplex® Tiles	40 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Non-woven glass tissue - Black	1,25	- / 0.80 - 0.90 / B	
EA2301	Minerval™ A	12 mm	600 mm	600 mm	-	-	-	-	Non-woven glass tissue - White	-	0.90 / 0.85 / A	
EA2302	Minerval™ A	12 mm	1200 mm	600 mm	-	-	-	-	Non-woven glass tissue - White	-	0.90 / 0.85 / A	
EA1928A, 28A, 29A, 29B, 30A, 30B	Soundlite® Tiles	25 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Vinyl-faced	0,78	- / 0.65 - 0.75 / C	
EA1931A, 31A, 32A, 32B, 33A, 33B	Soundlite® Tiles	40 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Vinyl-faced	1,25	- / 0.65 - 0.75 / C	
18864_1, 18864_2, 18864_4, 18864_5	Ecophon Gedina A	15 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Akutex T	0,53	0.95 / 0.85 / A	
18864_3, 18864_6	Ecophon Gedina A	15 mm	1200 mm	1200 mm	1200 mm	1200 mm	-	-	Akutex T	0,53	0.95 / 0.85 / A	
18039_1, 18039_2, 18039_4, 18039_5	Ecophon Gedina E	15 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Akutex T	0,53	1 / 0.85 / A	
18039_3, 18039_6	Ecophon Gedina E	15 mm	1200 mm	1200 mm	1200 mm	1200 mm	-	-	Akutex T	0,53	1 / 0.85 / A	
17994_1, 17994_2, 17994_4, 17994_5	Ecophon Focus A	20 mm	1200 mm	600 mm	1200 mm	600 mm	-	-	Akutex FT	0,85	1 / 0.85 / A	
17994_3, 17994_6	Ecophon Focus A	20 mm	1200 mm	1200 mm	1200 mm	1200 mm	-	-	Akutex FT	0,85	1 / 0.85 / A	



Click on the icons or framework spacing to view content.

System Reference Number	Board/Tile Type	Board /Tile Thickness (mm)	Framework Spacing (centres)						Finish	R-value (m ² K/W)	(aw) Absorption Coefficient/NRC/ Absorption Class - (inclusive of insulation)	Layout
			Gypframe® D38FR Main Tee	Gypframe® D38FR Cross Tee 1 200 mm +/- 600 mm	Gypframe® T Main Tee ¹	Gypframe® T Cross Tee 1 200 mm +/- 600 mm	Ecophon Connect T24 Main Runner	Ecophon Connect T24 Cross Tee 1 200 mm +/- 600 mm				
ACOUSTIC CEILING SYSTEM ... CONTINUED												
18013_1, 18013_2, 18013_4, 18013_5	Ecophon Focus E	20 mm	1 200 mm	600 mm	1 200 mm	600 mm	-	-	Akutex FT	0,9	0.95 / 0.85 / A	
18013_3, 18013_6	Ecophon Focus E	20 mm	1 200 mm	1 200 mm	1 200 mm	1 200 mm	-	-	Akutex FT	0,9	0.95 / 0.85 / A	
23114_1, 23114_2	Ecophon Focus EZ	40 mm	1 200 mm	600 mm	1 200 mm	600 mm	-	-	Akutex FT	1	1 / 1 / A	
19176_1, 19176_2, 19176_3, 19176_4	Ecophon Advantage A	15 mm	1 200 mm	600 mm	1 200 mm	600 mm	-	-	Batch painted glass tissue - White	0,52	1 / 0.85 / A	
19176_5, 19176_6, 19176_7, 19176_8	Ecophon Advantage E	15 mm	1 200 mm	600 mm	1 200 mm	600 mm	-	-	Batch painted glass tissue - White	0,52	0.95 / 0.85 / A	
23117_1, 23117_2, 23118_1, 23118_2	Ecophon Sombra A	15 mm	1 200 mm	600 mm	1 200 mm	600 mm	-	-	Batch painted glass tissue - Black	0,53	0.95 / 0.9 / A	
23013_1, 23013_2, 23013_3, 23013_4	Ecophon Hygiene Clinic A	15 mm	1 200 mm	600 mm	1 200 mm	600 mm	-	-	Akutex T	0,53	0.95 / 0.85 / A	
21134_1, 21134_3	Ecophon Hygiene Advance A	20 mm	-	-	-	-	1 200 mm	600 mm	High performance film	-	0.85 / 0.8 / B	
21134_2, 21134_4	Ecophon Hygiene Advance A	40 mm	-	-	-	-	1 200 mm	600 mm	High performance film	-	0.9 / 0.75 / A	
18046_1, 18047_1	Ecophon Hygiene Performance A	20 mm	-	-	-	-	1 200 mm	600 mm	Akutex HS	-	0.95 / - / A	
18046_2, 18047_2	Ecophon Hygiene Performance A	40 mm	-	-	-	-	1 200 mm	600 mm	Akutex HS	-	1 / - / A	
18048, 08049	Ecophon Hygiene Meditec A	15 mm	-	-	-	-	1 200 mm	600 mm	Akutex TH	-	0.95 / 0.8-0.85 / A	
18050, 08051	Ecophon Hygiene Meditec E	15 mm	-	-	-	-	1 200 mm	600 mm	Akutex TH	-	1 / 0.9 / A	
M257	Ecophon Hygiene Protec A	15 mm	-	-	-	-	1 200 mm	600 mm	Akutex HP	-	0.9 / 0.9 / A	
18030_1, 18030_1, 18030_3, 18030_4, 18030_5, 18030_6	Ecophon Master A	40 mm	1 200 mm	600 mm	1 200 mm	600 mm	-	-	Akutex FT	1,29	1 / 1 / A	
G35442026_1, _2, _3, G35442026_4, _5, _6	Ecophon Master E	40 mm	1 200 mm	600 mm	1 200 mm	600 mm	-	-	Akutex FT	1,29	1 / 1 / A	

For improved thermal and acoustic performance, install Cavitybatt™ / Factorylite

¹ (NB) The system was not designed for and does not meet the full requirements of SANS 10177-2 (Stability, Integrity and Insulation). It meets the criteria for STABILITY AND INTEGRITY ONLY.

Insulation - Minimum requirement total R-value (m² K/W) as per SANS 10400 Part XA








Energy Zone

1	2	3	4	5	5H	6	7
3,7	3,7	3,7	3,7	3,7	2,7	3,7	3,7

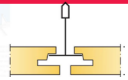
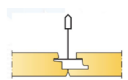
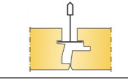
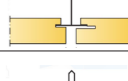
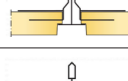
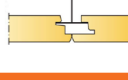
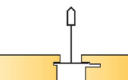
Akutex T - Textured
 Akutex FT - Fine Textured
 Akutex HS - Hygiene Stain Repellent
 Akutex HP - Hygiene Particle Repellent
 Akutex TH - Surface T Hygiene



Click on the icons or framework spacing to view content.

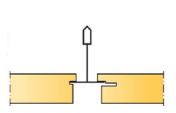


System Reference Number	Board/Tile Type	Board /Tile Thickness (mm)	Framework Spacing (centres)								Finish	R-value (m ² K/W)	Acoustic/Thermal Insulation	(αw) Absorption Coefficient/NRC/Absorption Class - (inclusive of insulation)	Profile	
			Gypframe® D37K Main Tee	Gypframe® D32K Cross Tee	Gypframe® N Main Bar 1	Gypframe® N Cross Furring Channel	Ecophon Connect T24 Main Runner	Ecophon Connect T24 Cross Tee 1 200 mm +/- 600 mm	Gypframe® UltraSTEEL® Brandering	Timber Brandering						
M-Strip Ceiling System																
CMS1901, 02	1 x RhinoBoard®	6.4 mm	-	-	-	-	-	-	-	400 mm	400 mm	M-Strip - Paper lined	0,03	Aerolite 50 mm-135 mm*	Not Applicable	
GlasRoc X External Eaves																
GE2201, 02, 03, 04, 05	1 x Gyproc Glasroc® X	12.5 mm	-	-	Gypframe® UltraSTEEL® Studs 63 mm at 600 mm	-	-	-	-	-	-	Render system - Paper lined	0,124		Not Applicable	
Skimmed Ceiling System																
CS1904, 05A, 05B, 05C, 06, 07	1 x RhinoBoard®	9 mm	1 200 mm	400 mm	1 000 mm	400 mm (14 notches)	-	-	400 mm	400 mm	Skimmed - Paper lined	0,042	Aerolite 50 mm-135 mm*	Not Applicable		
CS1908, 09A, 09B, 09C, 10, 11	1 x RhinoBoard®	12.5 mm	1 200 mm	600 mm	1 000 mm	600 mm (17 notches)	-	-	600 mm	600 mm	Skimmed - Paper lined	0,056	Aerolite 50 mm-135 mm*	Not Applicable		
Jointed Ceiling System																
CA1901A, 01B, 01C, 02, 03	1 x RhinoBoard®	9 mm	1 200 mm	500 mm	1 000 mm	480 mm (14 notches)	-	-	500 mm	500 mm	Jointed - Paper lined	0,042	Aerolite 50 mm-135 mm*	Not Applicable		
CJ1905, 06A, 06B, 06C, 07, 08	1 x RhinoBoard®	12.5 mm	1 200 mm	600 mm	1 000 mm	600 mm (17 notches)	-	-	600 mm	600 mm	Jointed - Paper lined	0,056	Aerolite 50 mm-135 mm*	Not Applicable		
Acoustic Ceiling System																
CA1901, 06A, 06B, 06C, 07, 08	Gyptone™ BIG Curve Line 6	6.5 mm	1 200 mm	300 mm	1 000 mm	280 mm (9 notches)	-	-	300 mm	300 mm	Jointed Paper lined	-	Energylite 50 mm*	0.5-0.6 / 0.55 / C-D		
CA1905, 06A, 06B, 06C, 07, 08	Gyptone™ BIG Line 6	12.5 mm	1 200 mm	600 mm	1 000 mm	600 mm (17 notches)	-	-	600 mm	600 mm	Jointed - Paper lined	-	Energylite 50 mm*	0.5-0.6 / 0.55 / D		
CA1909, 10A, 10B, 10C, 11, 12	Gyptone™ BIG Quattro 41	12.5 mm	1 200 mm	600 mm	1 000 mm	600 mm (17 notches)	-	-	600 mm	600 mm	Jointed - Paper lined	-	Energylite 50 mm*	0.65-0.75 / 0.65-0.7 / C		
CA1913, 14A, 14B, 14C, 15	Rigitone® 8-15-20 SUPER	12.5 mm	1 200 mm	300 mm	1 000 mm	280 mm (9 notches)	-	-	300 mm	-	Joint Filler Technique	-	Energylite 50 mm*	0.45-0.5 / 0.6-0.7 / D		
CA1916, 17A, 17B, 17C, 18	Rigitone® 12-20/66	12.5 mm	1 200 mm	300 mm	1 000 mm	280 mm (9 notches)	-	-	300 mm	-	Joint Filler Technique	-	Energylite 50 mm*	0.45-0.7 / 0.65-0.9 / C-D		
CA1919, 20A, 20B, 20C, 21	Rigitone® 8/18 Q	12.5 mm	1 200 mm	300 mm	1 000 mm	280 mm (9 notches)	-	-	300 mm	-	Joint Filler Technique	-	Energylite 50 mm*	0.55-0.8 / 0.65-0.8 / B-D		



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			Gypframe® D37K Main Tee	Gypframe® D32K Cross Tee	Gypframe® N Main Bar 1	Gypframe® N Cross Furring Channel	Ecophon Connect T24 Main Runner	Ecophon Connect T24 Cross Tee 1200 mm +/- 600 mm	Gypframe® UltraSTEEL® Branding	Timber Branding					
Acoustic Ceiling System ... continued															
18005_1, 18006_1	Ecophon Focus DG M202	20 mm	-	-	-	-	1200 mm	600 mm	-	-	Akutex FT	0,65	-	0.8 / 0.9 / A	
18000_2, 18000_3	Ecophon Focus DS Level Change M394	20 mm	-	-	-	-	600 mm	1200mm/ 600 mm	-	-	Akutex FT	0,65	-	0.8 / 0.9 / A	
17999_1, 18000_1	Ecophon Focus DS M206 1200 mm/600 mm x 600 mm	20 mm	-	-	-	-	600 mm	1200 mm/ 600 mm	-	-	Akutex FT	0,65	-	0.8 / 0.9 / A	
18001	Ecophon Focus DS M206 1600 mm x 600 mm	20 mm	-	-	-	-	600 mm	1600 mm	-	-	Akutex FT	0,65	-	0.8 / 0.9 / A	
18002	Ecophon Focus DS M206 1800 mm x 600 mm	20 mm	-	-	-	-	600 mm	1800 mm	-	-	Akutex FT	0,65	-	0.8 / 0.9 / A	
18003	Ecophon Focus DS M206 2000 mm x 600 mm	20 mm	-	-	-	-	600 mm	2000 mm	-	-	Akutex FT	0,65	-	0.8 / 0.9 / A	
18004	Ecophon Focus DS M206 2400 mm x 600 mm	20 mm	-	-	-	-	600 mm	2400 mm	-	-	Akutex FT	0,65	-	0.8 / 0.9 / A	
17820_2	Ecophon Focus DS M207	20 mm	-	-	-	-	1200 mm	1200 mm	-	-	Akutex FT	0,65	-	0.8 / 0.9 / A	
M236	Ecophon Master DS	40 mm	-	-	-	-	600 mm	600 mm	-	-	Akutex FT	1,39	-	0.9 / 0.85-0.9 / A	
M318EB	Ecophon Master Rigid DP	20 mm	-	-	-	-	600 mm	1200 mm/ 600 mm	-	-	Akutex FT	1,39	-	0.9 / - / A	
M317EB	Ecophon Master Rigid E	20 mm	-	-	-	-	1200mm/ 600 mm	1200 mm/ 600 mm	-	-	Akutex FT	1,39	-	0.9-1 / - / A	
M439C4	Ecophon Hygiene Performance DS	20 mm	-	-	-	-	600 mm	1200 mm/ 600 mm	-	-	Akutex HS	-	-	0.9 / - / A	
Semi-Concealed Acoustic Ceiling System															
M390	Ecophon Focus LP 600 mm x 300 mm	20 mm	-	-	-	-	300 mm	600 mm (300 mm long)	-	-	Akutex FT	0,65	-	0.8 / 0.8 / A	
M390	Ecophon Focus LP 600 mm x 600 mm	20 mm	-	-	-	-	600 mm	600 mm (600 mm long)	-	-	Akutex FT	0,65	-	0.8 / 0.8 / A	
M390	Ecophon Focus LP 1200 mm x 300 mm	20 mm	-	-	-	-	300 mm	1200 mm (300 mm long)	-	-	Akutex FT	0,65	-	0.8 / 0.8 / A	



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			Gypframe® D37K Main Tee	Gypframe® D32K Cross Tee	Gypframe® N Main Bar 1	Gypframe® N Cross Furring Channel	Ecophon Connect T24 Main Runner	Ecophon Connect T24 Cross Tee 1 200 mm +/- 600 mm	Gypframe® UltraSTEEL® Brandering	Timber Brandering					
Semi-Concealed Acoustic Ceiling System... continued															
M390	Ecophon Focus LP 1 200 mm x 600 mm	20 mm	-	-	-	-	600 mm	1 200 mm (600 mm long)	-	-	Akutex FT	0,65	-	0.8 / 0.8 / A	
18020	Ecophon Focus LP Tech Tile 600 mm x 150 mm	20 mm	-	-	-	-	150 mm	600 mm (150 mm long)	-	-	Akutex FT	0,65	-	0.8 / 0.8 / A	
18021	Ecophon Focus LP Tech Tile 600 mm x 300 mm	20 mm	-	-	-	-	300 mm	600 mm (300 mm long)	-	-	Akutex FT	0,65	-	0.8 / 0.8 / A	
18022	Ecophon Focus LP Tech Tile 600 mm x 600 mm	20 mm	-	-	-	-	600 mm	600 mm (600 mm long)	-	-	Akutex FT	0,65	-	0.8 / 0.8 / A	
18023	Ecophon Focus LP Tech Tile 1 200 mm x 150 mm	20 mm	-	-	-	-	150 mm	1 200 mm (150 mm long)	-	-	Akutex FT	0,65	-	0.8 / 0.8 / A	
18024	Ecophon Focus LP Tech Tile 1 200 mm x 300 mm	20 mm	-	-	-	-	300 mm	600 mm (300 mm long)	-	-	Akutex FT	0,65	-	0.8 / 0.8 / A	
18025	Ecophon Focus LP Tech Tile 1 200 mm x 600 mm	20 mm	-	-	-	-	600 mm	1 200 mm (600 mm long)	-	-	Akutex FT	0,65	-	0.8 / 0.8 / A	
18991	Ecophon Focus LP Tech Tile 1800 mm x 600 mm	20 mm	-	-	-	-	600 mm	1800 mm (600 mm long)	-	-	Akutex FT	0,65	-	0.8 / 0.8 / A	
Fire Rated Ceiling System ²															
CF1901	2 x RhinoBoard® FireStop® dB (60 min) ²	15 mm	-	-	Gypframe® UltraSTEEL® Studs 51 mm at 600 mm centres	-	-	-	400 mm	-	Skimmed - Paper lined	0,059	Aerolite 50 mm-135 mm*	Not Applicable	
CF1902	3 x RhinoBoard® ² FireStop® dB (90 min)	15 mm	Gyproc Galvanised Steel Angle at 1 200 mm centres	-	Gypframe® UltraSTEEL® Studs 51 mm at 600 mm centres	-	-	-	-	-	Skimmed - Paper lined	-	Aerolite 50 mm-135 mm*	Not Applicable	

* Install (50) mm thick non-combustible, lightweight "Enerlyte"® Glasswool insulation blanket/batts for improved acoustic performance.

* Install (50/100/135) mm thick flexible non-combustible lightweight "Aerolite"® insulation material between the roof trusses and over brandering/purlins in a completed roof and ceiling system. Installation strictly in accordance with the manufacture.

¹ See Gypframe® N Main Bar installation guide (Threaded Rod) here.

¹ See Gypframe® N Main Bar installation guide (Gyproc Angle) here.

² (NB) The system was designed for and does meet the full requirements of SANS 10177-2 (Stability, Integrity and Insulation).

Insulation - Minimum requirement total R-value (m ² K/W) as per SANS 10400 Part XA							
Energy Zone							
1	2	3	4	5	5H	6	7
3,7	3,7	3,7	3,7	3,7	2,7	3,7	3,7
Thickness of Aerolite required to meet SANS 10400 Part XA							
135	135	135	135	135	100	135	135

Akutex FT - Fine Textured
Akutex HS - Hygiene Stain Repellent

