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Gyproc Acoustic Ceiling System: Fibrotone™ Fine Fissured 16 mm - 1200 mm x 600 mm Gypframe® D38FR suspended with Gyproc Hanger Strap 19 mm or Gyproc Suspension Wire

	(aw)Absorption Coefficient/ NRC/Absorption Class -(inclusive of insulation)	Board/ Tile size (mm)	Soffit Type	Finish
Not Applicable	0.5 / 0.55 / Class D	1200 x 600	Concrete Flat slab	Ceiling Tiles

System Overview

Lay Fibrotone™ Fine Fissured Tiles (Size: 1200 mm x 600 mm. Thickness: 16 mm) into the framework. Install Gypframe® D38FR Main Tees (Locally manufactured, recycled content, ISO 9001 & 14001 certification) at 1200 mm centres. Suspend Main Tee using Gyproc Hanger Strap/ Gyproc Suspension Wire fixed to Main Tee web using 2 steel pop-rivets or one Gyproc Wafer-Head Tek screw. Hangers to be at maximum 400 mm from perimeter wall. Install Gypframe® D38FR Cross Tee (1200 mm long) (Locally manufactured, recycled content, ISO 9001 & 14001 certification) at 600 mm c/c to create a 1200 mm x 600 mm ceiling grid. Install Gyproc Hold down clips per tile in areas susceptible to draught (2x per 1200 mm Cross Tee). Perimeter - Fix Gyproc M6 Wall Angle (locally manufactured) to the wall using fixings at 300 mm centres. Fix Main Tee's to the wall using Gyproc Angle Cleats to ensure straight grid and stability.

System Information

Energy Zone	1	2	3	4	5	5H	6	7
Isover Aerolite® thickness (mm)	135	135	135	135	135	100	135	135
R-value of Aerolite®	3.38	3.38	3.38	3.38	3.38	2.5	3.38	3.38
Min. required total R-value	3.7	3.7	3.7	3.7	3.7	2.7	3.7	3.7

Where required, for improved thermal and acoustic performance, lay Isover insulation (locally manufactured, non-combustible to SANS 10177-5, SABS Mark) onto the ceiling.

Thickness: 100 mm/ 135 mm (according to energy zone, see table above).

- Isover **Cavitybatt**: Thickness – 51 mm/ 63 mm/ 102 mm available.
- Isover **Factoryboard/ Factorylite**.

For improved acoustics, install Isover **Energylite**, density 47.5 kg/m³: Thickness – 25 mm/ 40 mm/ 50 mm available.

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