Loads

Aircrete anchor GB Green

Recommended loads[1] for a single anchor in aerated concrete.
Load values apply when using fischer safety screws[2] according to selection table.

Type			GB Green 8	GB Green 10
Diameter fischer safety screw		**[mm]**	**5**	**7**
Minimum spacing[3]	s_{min}	**[mm]**	150 (100)[5]	100
Minimum edge distance[4]	c_{min}	**[mm]**	100 (75)[5]	100
Minimum member thickness	h_{min}	**[mm]**	75	120
Nominal embedment depth	h_{nom}	**[mm]**	50	55
Recommended load (F_{rec}) in the respective base material				
AAC 2	$\rho \geq 0{,}35$ [kg/dm³]	**[kN]**	0.18	0.21
AAC 4	$\rho \geq 0{,}50$ [kg/dm³]	**[kN]**	0.40	0.54 (0,71)[6]

[1] Required safety factors are considered. Valid for tension load, shear load and oblique load under any angle.
[2] Galvanised steel (gvz) and stainless steel (R).
[3] Minimum possible axial spacing while reducing the permissible load.
[4] Minimum possible edge distance.
[5] Values in brackets apply to AAC 2.
[6] The values in brackets are decisive for member thickness ≥ 150 mm.