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
Screw diameter		**[mm]**	**5.0**	**6.0**
Minimum spacing[2]	s_{min}	**[mm]**	150 (100)[4]	150 (100)[4]
Minimum edge distance[3]	c_{min}	**[mm]**	100 (75)[4]	100 (75)[4]
Minimum member thickness	h_{min}	**[mm]**	75	120
Anchorage depth	h_{nom}	**[mm]**	50	55
Recommended load (F_{rec}[5]) in the respective base material				
AAC 2	$\rho \geq 0.35$ [kg/dm^3]	**[kN]**	0.18	0.20
AAC 4	$\rho \geq 0.50$ [kg/dm^3]	**[kN]**	0.40	0.50

[1] Required safety factors are considered. Valid for tensile load, shear load and oblique load under any angle. Valid for installation and use in dry base material for temperatures in the substrate up to +24 °C (resp. short term up to +40 °C).
[2] Minimum possible axial spacing while reducing the load.
[3] Minimum permissible edge distance.
[4] Values in brackets apply to AAC 2.
[5] Values are valid in combination with wood screws acc. DIN 571.