

Loads

Aircrete anchor GB Green

Recommended loads¹⁾ for a single anchor in aerated concrete.

Load values apply when using fischer safety screws²⁾ 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
Anchorage depth	h_{nom}	[mm]	50	55
Recommended load (F_{rec}) in the respective base material				
AAC 2	$\rho \geq 0.35$ [kg/dm ³]	[kN]	0.18	0.21
AAC 4	$\rho \geq 0.50$ [kg/dm ³]	[kN]	0.40	0.54 (0.71) ⁶⁾

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⁾ Galvanised steel (gvz) and stainless steel (R).

³⁾ Minimum possible axial spacing while reducing the load.

⁴⁾ Minimum permissible edge distance.

⁵⁾ Values in brackets apply to AAC 2.

⁶⁾ The values in brackets are decisive for member thickness ≥ 150 mm.