Loads

DuoSeal

Recommended loads[1] for a single anchor.

Type			DuoSeal 6	DuoSeal 8
Screw diameter		**[mm]**	**4.5**	**6.0**
Recommended loads in the respective base material F_{rec} [2) 3)]				
Concrete	≥ C20/25	**[kN]**	0.40	0.60
Solid brick	≥ Mz 12	**[kN]**	0.20	0.30
Solid sand-lime brick	≥ KS 12	**[kN]**	0.30	0.40
Aerated concrete	≥ AAC 2	**[kN]**	0.10	0.10
Vertically perforated brick	≥ HLz 12	**[kN]**	0.20	0.30
Perforated sand-lime brick	≥ KSL 12	**[kN]**	0.30	0.40
Gypsum plasterboard impregnated (green)	12.5 mm	**[kN]**	0.10	0.104)
Gypsum plasterboard impregnated (green)	2 x 12.5 mm	**[kN]**	0.15	0.15
Gypsum plasterboard hard and impregnated (e. g. Knauf Diamant board or Rigipis Die Harte)	12.5 mm	**[kN]**	0.15	0.15
Gypsum plasterboard hard and impregnated (e. g. Knauf Diamant board or Rigipis Die Harte)	2 x 12.5 mm	**[kN]**	0.20	0.20
Gypsum fibreboard	12.5 mm	**[kN]**	0.20	0.20
Gypsum block	$\rho \geq 0.85$ kg/dm^3	**[kN]**	0.10	0.10

[1] Required safety factor is considered.
Load values are valid for using the supplied screws and under consideration of the total tile thickness: tile + tile glue + sealing compound.

[2] 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).

[3] Values apply to tile thickness 5 - 10 mm and total tile thickness 9.5 - 14.5 mm.

[4] Value applies to tile thickness 8 - 10 mm and total tile thickness 12.5 - 14.5 mm.