

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	0.10 ⁴⁾
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	$\rho \geq 0.85 \text{ kg/dm}^3$	[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.