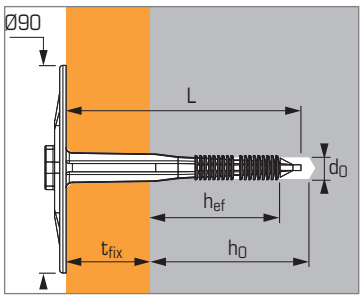
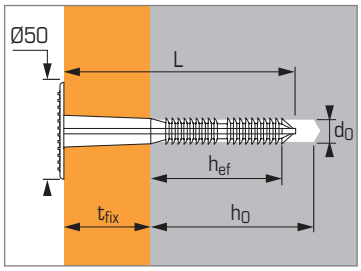
Anchor for fixing semi-rigid insulation



CB anchor



BR anchor

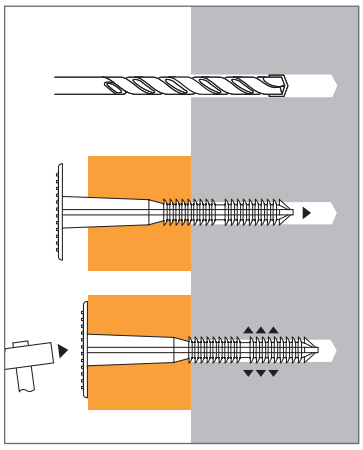
APPLICATION

- **SPIT CB :** Fixing semi-rigid insulation on solid materials
- **SPIT BR :** Fixing rigid insulation on solid materials

MATERIAL

- **CB anchor body:** polypropylene (anti U.V.) black
- **BR anchor body:** polypropylene

INSTALLATION



Technical data

Anchor size	Anchor depth (mm) h_{ef}	Insulation thickness (mm) t_{fix}	Drilling depth (mm) h_0	Drilling diameter (mm) d_0	Total anchor lenght (mm) L	Code CB Head Ø90	Code BR Head Ø50
8X85/40-50	20-30	40 - 50	50	8	85/80	057690	057704
8X95/50-60		50 - 60			95/90	057691	057705
8X115/70-80		70 - 80			115/110	055720	057706
8X135/90-100		90 - 100			135/130	055730	057707
8X155/110-120		110 - 120			155/150	055740	057708
8X165/140		140			165	054864	-
8X185/160		160			185	054865	-
8X205/180		180			205	054866	-
8X225/200		200			225	054867	-
8X245/220		220			245	054868	

Ultimate loads ($N_{Ru,m}$) in kN

TENSILE

Anchor size / Base material	CB 8X85/40-50 → 8X155/110-120	CB 8X165/140 → 8X245/220	BR 8X85/40-50 → 8X155/110-120
Concrete (C20/25)			
$N_{Ru,m}$	0,5	0,25	0,5
Clay bricks (fc = 55 N/mm²)			
$N_{Ru,m}$	0,4	0,20	0,4
Solid concrete blocks B120 (fc = 13,5 N/mm²)			
$N_{Ru,m}$	0,3	0,15	0,3
Aerated concrete (Mvn = 500 kg/m³)			
$N_{Ru,m}$	0,15	0,075	0,15

Design loads (N_{Rd}) and recommended loads (N_{rec}) for one anchor without edge or spacing influence in kN

$$N_{Rd} = \frac{N_{Ru,m}{}^{(1)}}{3,5}$$

(1) Derived from test results

$$N_{rec} = \frac{N_{Ru,m}{}^{(1)}}{5}$$

TENSILE

Anchor size / Base material	CB 8X85/40-50 → 8X155/110-120	CB 8X165/140 → 8X245/220	BR 8X85/40-50 → 8X155/110-120
Concrete (C20/25)			
N_{Rd}	0,14	0,071	0,14
N_{rec}	0,1	0,05	0,1
Clay bricks (fc = 55 N/mm²)			
N_{Rd}	0,11	0,055	0,11
N_{rec}	0,08	0,04	0,08
Solid concrete blocks B120 (fc = 13,5 N/mm²)			
N_{Rd}	0,08	0,04	0,08
N_{rec}	0,06	0,03	0,06
Aerated concrete (Mvn = 500 kg/m³)			
N_{Rd}	0,04	0,02	0,04
N_{rec}	0,03	0,015	0,03