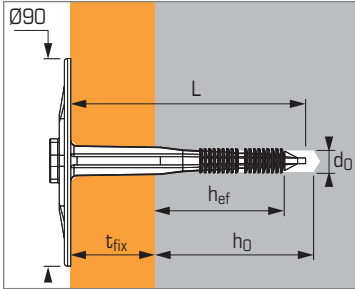




# Anchor for fixing semi-rigid insulation



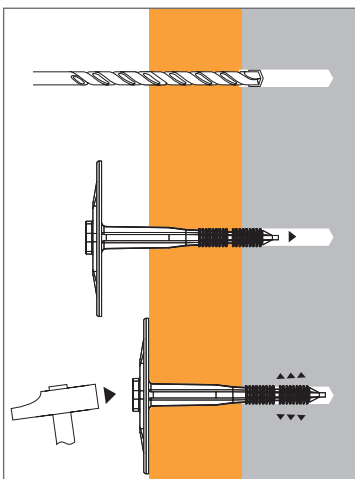
## APPLICATION

- Fixing semi-rigid insulation on solid materials

## MATERIAL

- Polypropylene (anti U.V.) black

## INSTALLATION



## Technical data

Anchor size	Anchor depth (mm) hef	Insulation thickness (mm) tfix	Drilling depth (mm) h0	Drilling diameter (mm) d0	Total anchor length (mm) L	Code
8X80/40-50	20-30	40 - 50	50	8	80	057690
8X90/50-60		50 - 60			90	057691
8X110/70-80		70 - 80			110	055720
8X130/90-100		90 - 100			130	055730
8X150/110-120		110 - 120			150	055740
8X165/140	20	140	50	8	165	054864
8X185/160		160			185	054865
8X205/180		180			205	054866
8X225/200		200			225	054867

## Ultimate loads (NRu,m) in kN

### TENSILE

Anchor size	CB 8X85/40-50 → 8X155/110-120	CB 8X165/140 → 8X225/220
<b>Base material</b>		
<b>Concrete (C20/25)</b>		
NRu,m	0,5	0,25
<b>Clay bricks (fc = 55 N/mm²)</b>		
NRu,m	0,4	0,20
<b>Solid concrete blocks B120 (fc = 13,5 N/mm²)</b>		
NRu,m	0,3	0,15
<b>Aerated concrete (Mvn = 500 kg/m³)</b>		
NRu,m	0,15	0,075

## Design loads (NRd) and recommended loads (Nrec) 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	CB 8X85/40-50 → 8X155/110-120	CB 8X165/140 → 8X225/220
<b>Base material</b>		
<b>Concrete (C20/25)</b>		
NRd	0,14	0,071
Nrec	0,1	0,05
<b>Clay bricks (fc = 55 N/mm²)</b>		
NRd	0,11	0,055
Nrec	0,08	0,04
<b>Solid concrete blocks B120 (fc = 13,5 N/mm²)</b>		
NRd	0,08	0,04
Nrec	0,06	0,03
<b>Aerated concrete (Mvn = 500 kg/m³)</b>		
NRd	0,04	0,02
Nrec	0,03	0,015