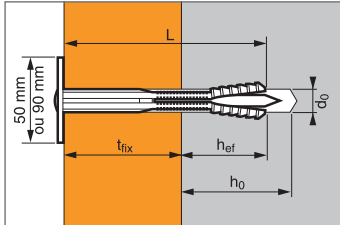


ETA Option 4
n° 04/0076



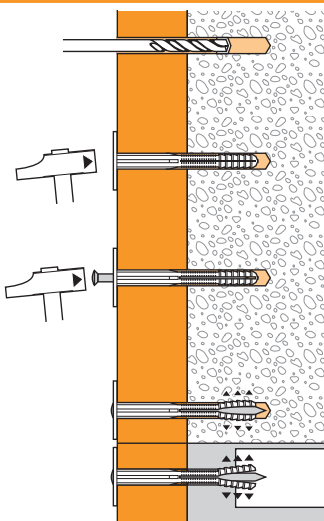
Applications

- Fixing all rigid insulation to solid or hollow material

Material

- Expansion glass-fibre reinforced polyamide 6*
- Anchor body: polypropylene**
- Thermal conductivity of anchor: 0.12 W/m.°C
- Temperature range in use: -30°C to +80°C
- * Except ISO 10-30: polypropylene nail
- ** Caution: the anchor must be protected from UV rays (rendering, panelling)

Installation



Expanding insulation anchor

Technical data

SPIT ISO	Anchor depth (mm)	Insulation thickness (mm)	Ø drill bit (mm)	Drilling depth (mm)	Total anchor length (mm)	Eurocode		
						Ø 50 mm head	Ø 60 mm head	Ø 90 mm head
	h_{ef}	t_{fix}	d₀	h₀	L			
10-30		10-30			60	057600	-	-
40-60		40-60			90	057610	-	070330
70-80		70-80			110	057620	-	070340
90-100		90-100			130	057630	-	070350
110-120	30	110-120	10	50	150	-	057640	070360
135-145		135-145			175	-	057650	-
155-165		155-165			195	-	057651	-
175-185		175-185			215	-	057652	-
195-205		195-205			235	-	057653	-

Characteristic resistance (N_{Rk})

TENSILE IN kN

Base material	Anchor size 10-30	40-60 ; 70-80 ; 90-100 ; 110-120
Concrete (C15/20)	N_{Rk} 0,2	0,2
Concrete (C20/25 to C50/60)	N_{Rk} 0,3	0,3
Clay bricks (f_c = 55 Mpa, bending test: 4,7 N/mm²)	N_{Rk} 0,3	0,3
Hollow concrete blocks not rendered (f_c = 12,5 N/mm²)	N_{Rk} 0,15	0,15
Hollow clay bricks type Eco-30 not rendered (f_c = 5,9 N/mm²)	N_{Rk} 0,1	0,15

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

$$N_{Rd} = \frac{N_{Rk}^*}{\gamma_M} ; N_{Rec} = \frac{N_{Rk}^*}{\gamma_M \cdot \gamma_F}$$

*Derived from test results

TENSILE IN kN

Base material	Anchor size 10-30	40-60 ; 70-80 ; 90-100 ; 110-120
Concrete (C15/20)	N_{Rd} 0,10	0,10
	N_{Rec} 0,07	0,07
Concrete (C20/25 to C50/60)	N_{Rd} 0,15	0,15
	N_{Rec} 0,11	0,11
Clay bricks (f_c = 55 Mpa, bending test: 4,7 N/mm²)	N_{Rd} 0,15	0,15
	N_{Rec} 0,11	0,11
Hollow concrete blocks not rendered (f_c = 12,5 N/mm²)	N_{Rd} 0,075	0,075
	N_{Rec} 0,05	0,05
Hollow clay bricks type Eco-30 not rendered (f_c = 5,9 N/mm²)	N_{Rd} 0,05	0,075
	N_{Rec} 0,035	0,05

$$\gamma_M = 2 ; \gamma_F = 1,4$$

Spacing data

IN CONCRETE

SPIT ISO	Minimum distance between anchors and from edges and minimum thickness of concrete member (mm)		
	S _{min}	C _{min}	h _{min}
	100	100	100