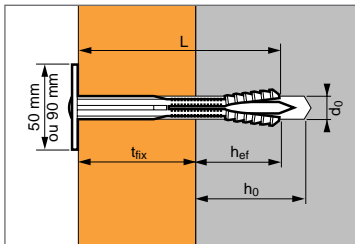




ETA n° 04/0076



## APPLICATION

- Fixing all rigid insulation on solid or hollow material

## MATERIAL

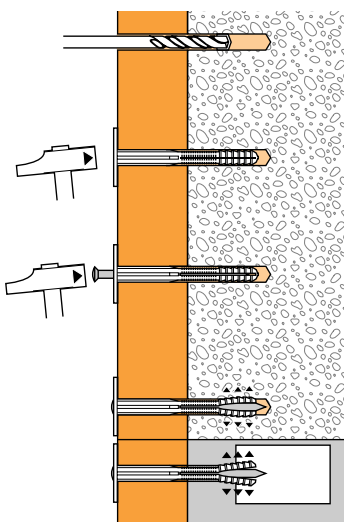
- Expansion glass-fibre reinforced polyamid 6\*
- **Anchor body:** polypropylene\*\*
- **Thermal conductivity of anchor:** 0.12 W/m.°C

- **Temperature range in use:** -30°C to +80°C

\* Except ISO 10-30: polypropylene nail

\*\* Caution: the anchor must be protected from UV rays by a screen (rendering, panelling, etc.)

## 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)	Code	
						Ø 50 mm head	Ø 90 mm head
	<b>h<sub>ef</sub></b>	<b>t<sub>fix</sub></b>	<b>d<sub>0</sub></b>	<b>h<sub>0</sub></b>	<b>L</b>		
10-30		10-30			60	057600	-
40-60		40-60			90	057610	070330
70-80	30	70-80	10	50	110	057620	070340
90-100		90-100			130	057630	070350
110-120		110-120			150	057640	070360

### Characteristic resistance (N<sub>Rk</sub>)

#### TENSILE IN kN

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

### Design loads (N<sub>Rd</sub>) and Recommended loads (N<sub>Rec</sub>) for one anchor without edge or spacing influence

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

\* Issue from ETA

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#### TENSILE IN kN

Base material	Anchor size 10-30	40-60 ; 70-80 ; 90-100 ; 110-120
<b>Concrete (C15/20)</b>		
<b>N<sub>Rd</sub></b>	0,1	0,2
<b>N<sub>Rec</sub></b>	0,07	0,2
<b>Concrete (C20/25 to C50/60)</b>		
<b>N<sub>Rd</sub></b>	0,15	0,2
<b>N<sub>Rec</sub></b>	0,11	0,2
<b>Clay bricks (f<sub>c</sub> = 55 Mpa, bending test: 4,7 N/mm<sup>2</sup>)</b>		
<b>N<sub>Rd</sub></b>	0,07	0,2
<b>N<sub>Rec</sub></b>	0,05	0,2
<b>Hollow concrete blocks not rendered (f<sub>c</sub> = 12,5 N/mm<sup>2</sup>)</b>		
<b>N<sub>Rd</sub></b>	0,2	0,2
<b>N<sub>Rec</sub></b>	0,2	0,2
<b>Hollow clay bricks type Eco-30 not rendered (f<sub>c</sub> = 5,9 N/mm<sup>2</sup>)</b>		
<b>N<sub>Rd</sub></b>	0,2	0,2
<b>N<sub>Rec</sub></b>	0,2	0,2

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

### Spacing data

#### IN CONCRETE

SPIT ISO	Minimum distance between anchors and from edges and minimum thickness of concrete member (mm)		
	S <sub>min</sub>	C <sub>min</sub>	h <sub>min</sub>
10-30 ; 40-60 ; 70-80 ; 90-100 ; 110-120	100	100	100