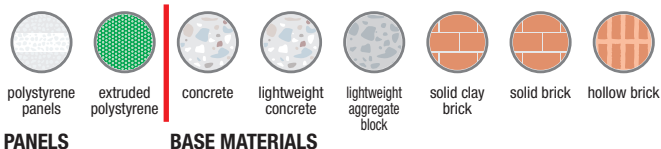


Vorpa ISO CE 8 NYLON

Nylon fixing for insulation panels with European Technical Assessment



products group



ISO CE 8 NYLON



ETA 014
for use categories A-B-C-D-E



Approved for

- concrete
- lightweight concrete
- lightweight aggregate blocks
- solid clay bricks
- solid brick
- hollow brick

To fix

- polystyrene panels
- extruded polystyrene
- heat insulating and soundproofing panels

Ideal for applications on masonry coated by solid heat insulating panels and insulation materials.

product information

Characteristics

- polyamide fixing with fiberglass reinforced polyamide pin for all types of solid insulation materials. Use categories A-B-C-D-E.
- reduced thermal transfer
- easy and quick installation, the expansion is carried out by hammering the pin inside the nylon fixing
- reduced embedment depth enables reduced drilling times
- special washer Ø140mm permits the fixing on lightweight insulation materials
- special fiberglass reinforced polyamide pin

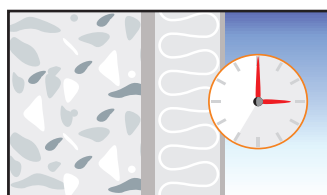
Installation

- to be mounted aligned with the insulation panels

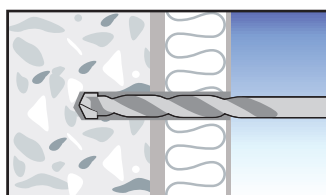
Suggestion for use

- always consider an appropriate safety factor
- check load bearing capacity values
- respect the installation data
- when calculating the usable length it is suggested to take into consideration eventual extra thicknesses such as glues, sealants, old plasters

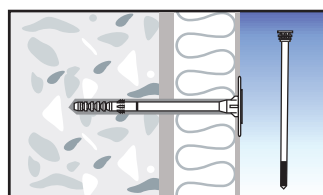
installation sequence



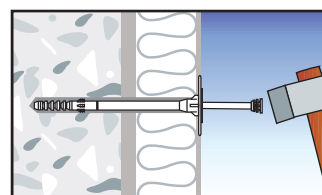
Wait till the sealant between the insulation panel and the base material is completely dry



Drill the base material with an appropriate drill bit

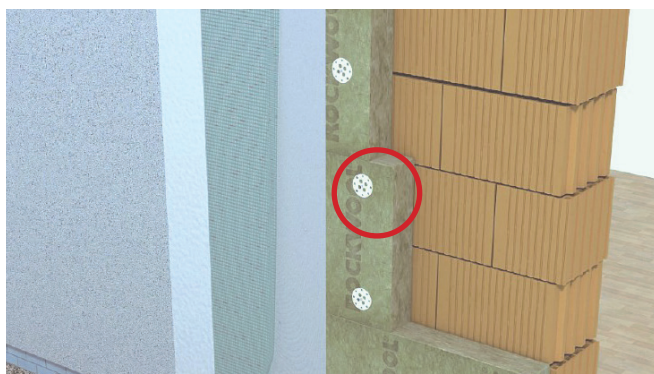


Insert the nylon fixing without pin until the washer rests against the insulation



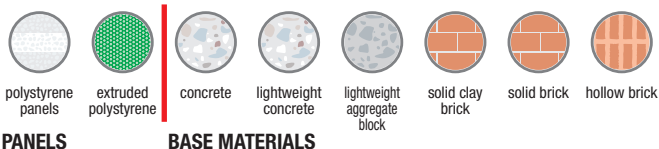
Fix the pin by hammering gently until full expansion, i.e. when the head is leveled with washer surface

Examples of applications



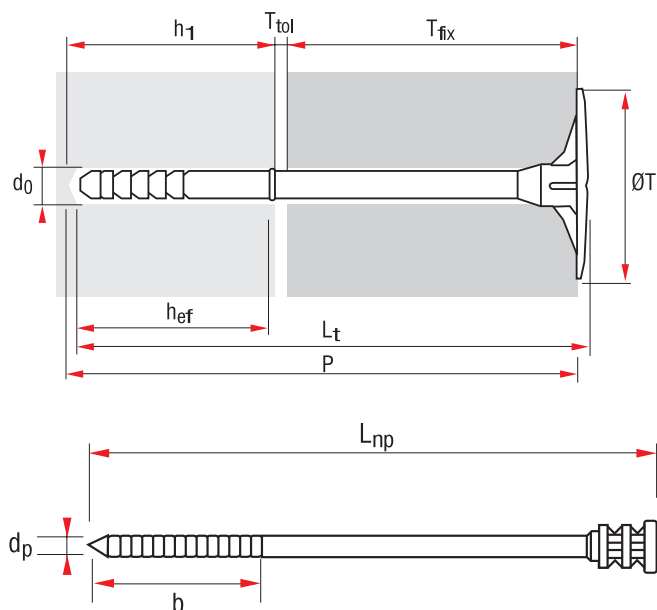
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product code and technical data

Code	Description	L _t mm	d _o mm	h ₁ mm	h _{ef} mm	T _{fix} mm	P mm	ØT mm	d _p mm	L _{np} mm	b mm
5775	ISO CE 8 NY 8/95	95	8	≥35 ¹⁾ /≥75 ²⁾	≥25 ¹⁾ /≥65 ²⁾	L _t -h _{ef} -T _{tot}	T _{ex} +T _{wo} +h _{ef}	60	4,8	100	44
5776	ISO CE 8 NY 8/115	115	8	≥35 ¹⁾ /≥75 ²⁾	≥25 ¹⁾ /≥65 ²⁾	L _t -h _{ef} -T _{tot}	T _{ex} +T _{wo} +h _{ef}	60	4,8	120	44
5777	ISO CE 8 NY 8/135	135	8	≥35 ¹⁾ /≥75 ²⁾	≥25 ¹⁾ /≥65 ²⁾	L _t -h _{ef} -T _{tot}	T _{ex} +T _{wo} +h _{ef}	60	4,8	140	44
5778	ISO CE 8 NY 8/155	155	8	≥35 ¹⁾ /≥75 ²⁾	≥25 ¹⁾ /≥65 ²⁾	L _t -h _{ef} -T _{tot}	T _{ex} +T _{wo} +h _{ef}	60	4,8	160	44
5779	ISO CE 8 NY 8/175	175	8	≥35 ¹⁾ /≥75 ²⁾	≥25 ¹⁾ /≥65 ²⁾	L _t -h _{ef} -T _{tot}	T _{ex} +T _{wo} +h _{ef}	60	4,8	180	44
5780	ISO CE 8 NY 8/195	195	8	≥35 ¹⁾ /≥75 ²⁾	≥25 ¹⁾ /≥65 ²⁾	L _t -h _{ef} -T _{tot}	T _{ex} +T _{wo} +h _{ef}	60	4,8	200	44



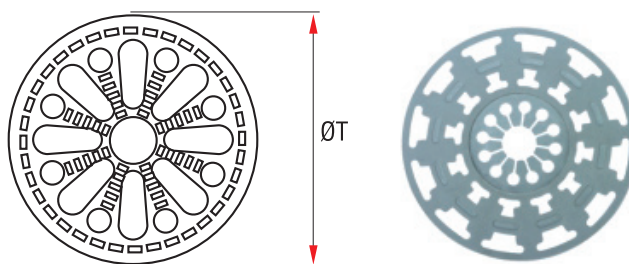
- 1) = Use categories A,B,C,D
- 2) = Use category E

h_{min} = 100 mm
C_{min} = 100 mm
S_{min} = 100 mm

- L_t = Anchor length
- h₁ = Min. hole depth
- d_o = Hole diameter
- h_{ef} = Embedment depth
- T_{fix} = Fixture thickness
- P = Total depth of holes
- d_p = Pin diameter
- L_{np} = Pin length
- b = Pin's knurling length
- T_{tot} = Thickness of equalizing and/or non-load-bearing layer
- h_{min} = Min. base material thickness
- S_{min} = Min. anchor spacing
- C_{min} = Min. edge distance



DISCO 140



Accessories

Code	Description	ØT mm
55762	ISO DISCO CE 140	140

Characteristic loading values according to ETA
ATTENTION: An appropriate safety factor ≥ 2 should be applied on these values

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Substrate materials	Class	Density Kg/dm ³	daN
			1 daN=1 kg
C12/15 concrete	A	≥ 2.25	50
C16/20 - C50/60 concrete	A	≥ 2.30	75
Clay bricks / calcium silicate bricks	B	≥ 2.00	75
Calcium Silicate hollow blocks	C	≥ 1.60	75
Vertically perforated clay bricks	C	≥ 1.20	60
Porotherm 25	C	≥ 0.80	40
Lightweight aggregate concrete blocks LAC	D	≥ 0.88	60
Autoclaved aerated concrete elements AAC2	E	≥ 0.35	75
Autoclaved aerated concrete elements AAC7	E	≥ 0.65	90

ETAG 014 light fixings

Use Category	Building materials
A	Normal weight concrete
B	Solid masonry - Silicate blocks
C	Hollow or perforated masonry
D	Lightweight aerated concrete
E	Autoclave aerated concrete