Deutsches Institut für Bautechnik

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Approval body for construction products and types of construction

Bautechnisches Prüfamt

An institution established by the Federal and Laender Governments

Designated according to Article 29 of Regulation (EU) No 305/2011 and member of EOTA (European Organisation for Technical Assessment)

European Technical Assessment ETA-11/0192 of 6 December 2022

English translation prepared by DIBt - Original version in German language

General Part

Technical Assessment Body issuing the European Technical Assessment:	Deutsches Institut für Bautechnik
Trade name of the construction product	EJOT H1 eco, EJOT H4 eco and ejotherm H1
Product family to which the construction product belongs	Plastic anchor for fixing of external thermal insulation composite systems with rendering
Manufacturer	EJOT SE & Co. KG Astenbergstraße 21 57319 Bad Berleburg DEUTSCHLAND
Manufacturing plant	EJOT manufacturing plant 1, 2, 3, 4
This European Technical Assessment contains	22 pages including 3 annexes which form an integral part of this assessment
This European Technical Assessment is issued in accordance with Regulation (EU) No 305/2011, on the basis of	EAD 330196-01-0604 edition 10/2017
This version replaces	ETA-11/0192 issued on 22 January 2020

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Specific Part

1 Technical description of the product

The nailed-in anchors EJOT H1 eco, EJOT H4 eco and ejotherm H1 consist of an anchor sleeve and an insulation plate made of virgin polyethylene an accompanying specific nail of galvanised steel and a mounting plug made of virgin polyamide.

For the anchor length of 95 mm (H1 eco and ejotherm H1) and for the anchor length of 115 – 135 mm (only H4 eco) the accompanying specific nail of galvanised steel has an overmoulding of polyamide.

The anchor may in addition be combined with the anchor plates SBL 140 plus and VT 90.

An illustration and the description of the product are given in Annex A.

2 Specification of the intended use in accordance with the applicable European Assessment Document

The performances given in Section 3 are only valid if the anchor is used in compliance with the specifications and conditions given in Annex B.

The verifications and assessment methods on which this European Technical Assessment is based lead to the assumption of a working life of the anchor of at least 25 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer, but are to be regarded only as a means for choosing the right products in relation to the expected economically reasonable working life of the works.

3 Performance of the product and references to the methods used for its assessment

3.1 Safety and accessibility in use (BWR 4)

Essential characteristic	Performance
Characteristic load bearing capacity - Characteristic resistance under tension load - Minimum edge distance and spacing	 See Annex C 1 See Annex B 2
Displacements	See Annex C 2, C 3 and C 4
Plate stiffness	See Annex C 2, C 3 and C 4

3.2 Energy economy and heat retention (BWR 6)

Essential characteristic	Performance
Point thermal transmittance	See Annex C 2, C 3 and C 4

4 Assessment and verification of constancy of performance (AVCP) system applied, with reference to its legal base

In accordance with EAD No. 330196-01-0604, the applicable European legal act is: [97/463/EC].

The system to be applied is: 2+

5 Technical details necessary for the implementation of the AVCP system, as provided for in the applicable European Assessment Document

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited with Deutsches Institut für Bautechnik.

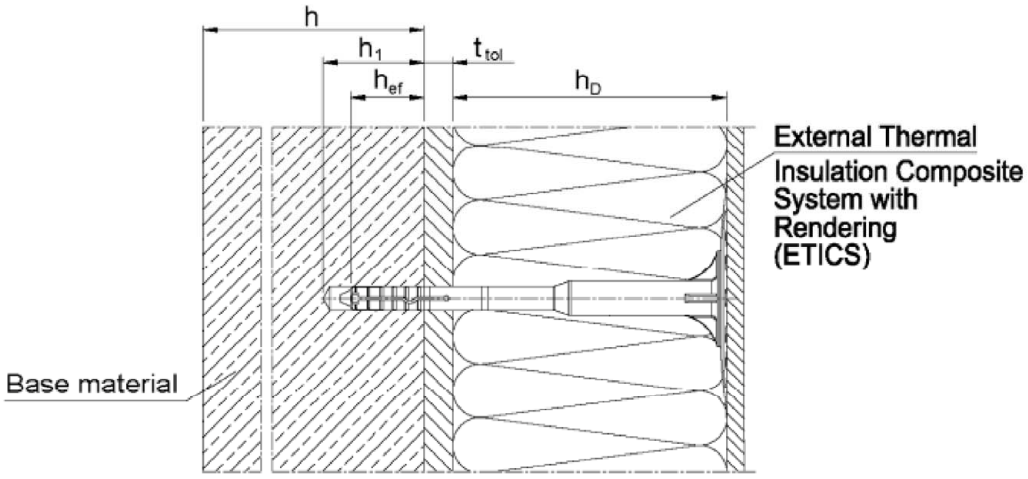
Issued in Berlin on 6 December 2022 by Deutsches Institut für Bautechnik

Dipl.-Ing. Beatrix Wittstock
Head of Section

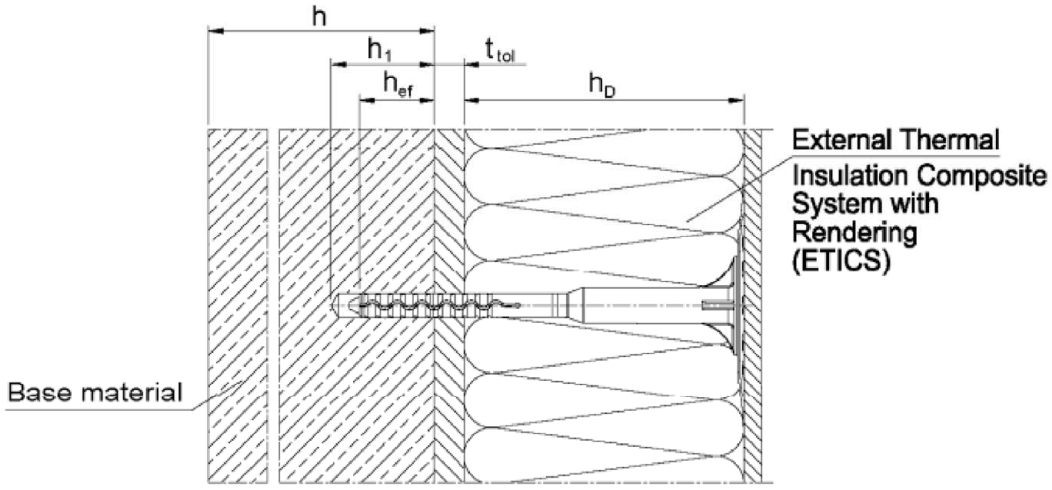
beglaubigt:
Ziegler

Deutsches Institut für Bautechnik DIBt

EJOT H1 eco



EJOT H4 eco



Intended use

- Anchorage of ETICS in concrete and masonry
- Anchorage of ETICS in autoclaved aerated concrete and lightweight aggregate concrete

Legend:
h_D = thickness of insulation material
h_{ef} = effective anchorage depth
h = thickness of member (wall)
h_1 = depth of drilled hole to deepest point
t_{tol} = thickness of equalizing layer or non-load-bearing coating

EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex A 1**
Product description Installed condition EJOT H1 eco and EJOT H4 eco	

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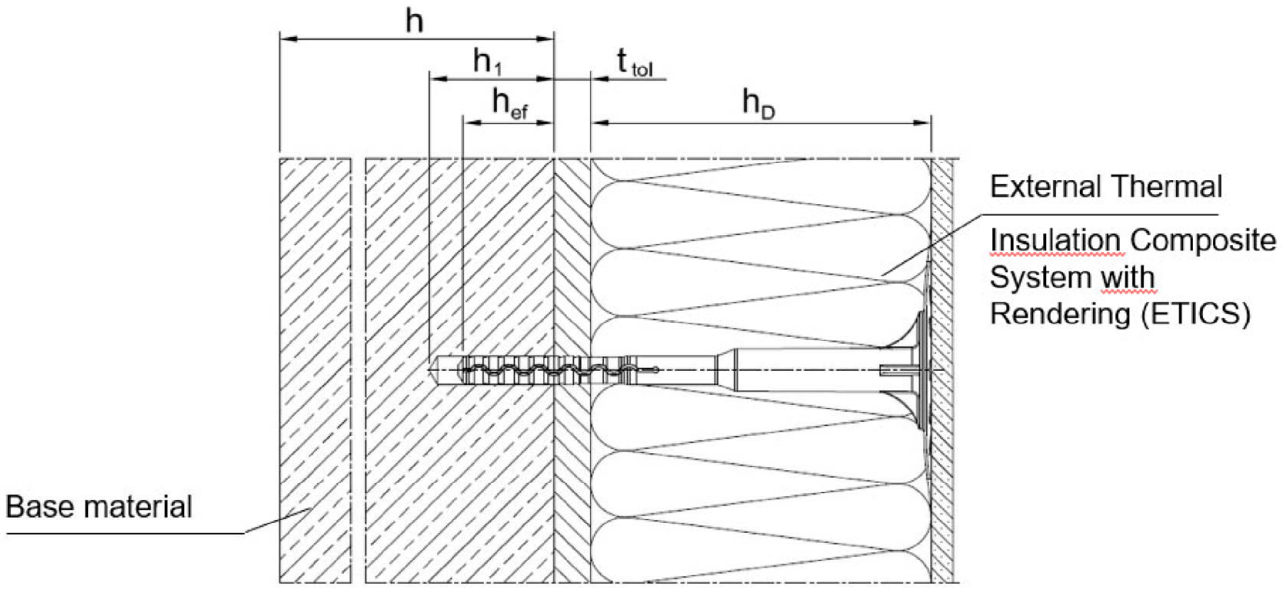
ejotherm H1



Intended use

- Anchorage of ETICS in concrete and masonry
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h_D = thickness of insulation material
h_{ef} = effective anchorage depth
h = thickness of member (wall)
h_1 = depth of drilled hole to deepest point
t_{tol} = thickness of equalizing layer or non-load-bearing coating

EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex A 2**
Product description Installed condition ejotherm H1	

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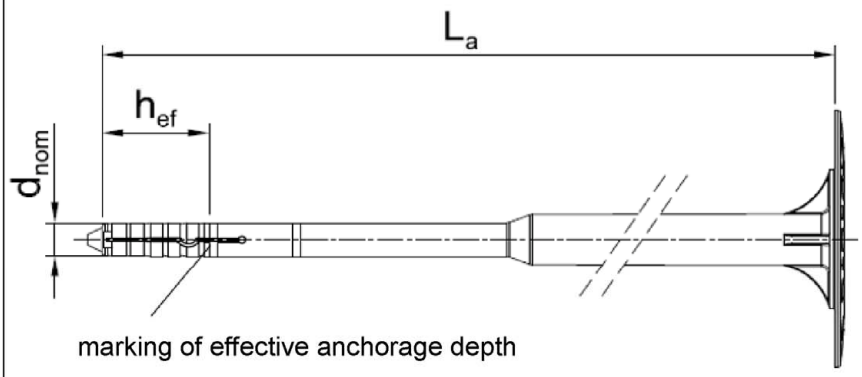
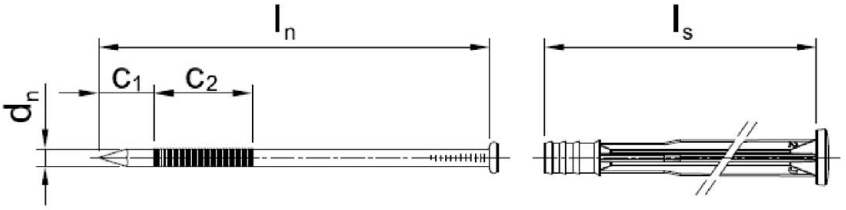
EJOT H1 eco / base material group: A, B, C

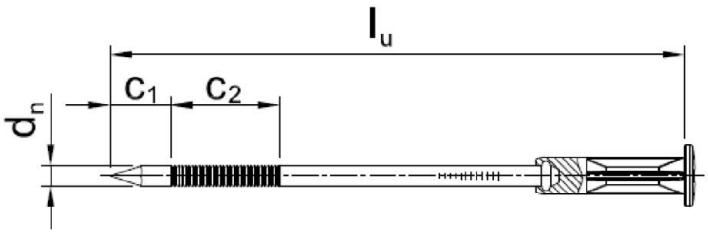


marking of effective anchorage depth

Marking of the anchor sleeve:
Identifying mark (EJOT)
Anchor type (H1 eco)
Base material group (A, B, C, D, E)
Length of anchor (e.g. 215)



specific nail mounting plug



Anchor length 95 mm: specific overmoulded nail

Tabelle A1: Dimensions

Anchor type	Anchor sleeve			Mounting plug	Specific nail				
	d_{nom} [mm]	h_{ef} [mm]	min L_a max L_a [mm]	min L_s max L_s [mm]	d_n [mm]	c_1 [mm]	c_2 [mm]	min l_n max l_n [mm]	l_u [mm]
EJOT H1 eco	8	25	95 295	32 112	4,5	14	25	60 180	90

Determination of maximum thickness of insulation h_D [mm] EJOT H1 eco:

$h_D = L_a - t_{tol} - h_{ef}$
z.B. $h_D = 215 - 10 - 25$
$h_{Dmax} = 180$

EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex A 3**
Product description Marking and dimension of the anchor sleeve EJOT H1 eco base material group: A, B, C, expansion element	

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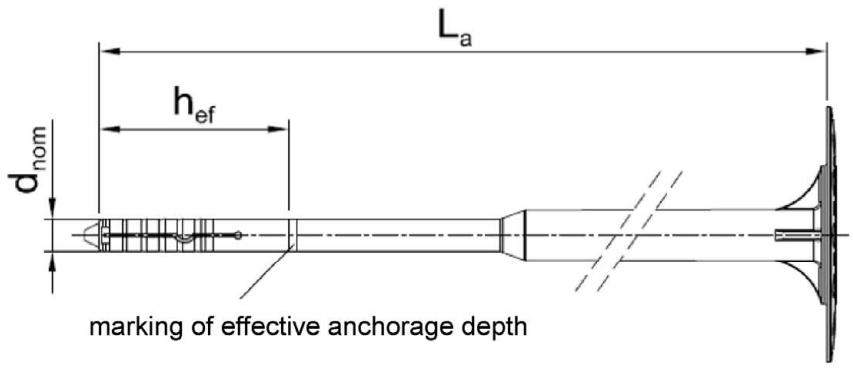
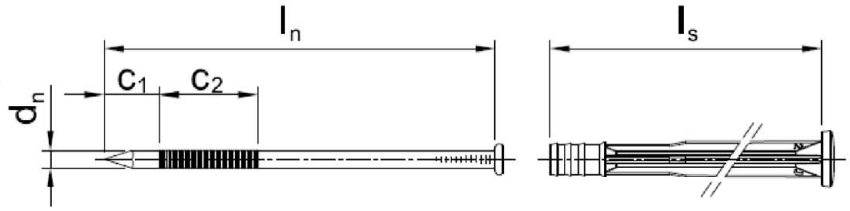
EJOT H1 eco / base material group: D and E

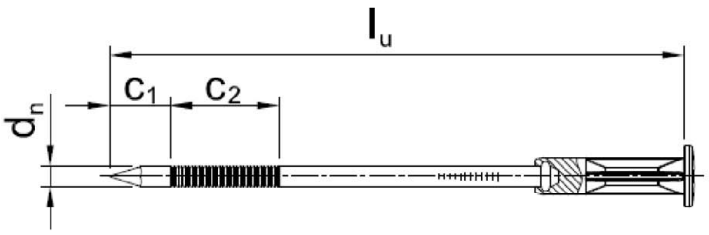


marking of effective anchorage depth

Marking of the anchor sleeve:
Identifying mark (EJOT)
Anchor type (H1 eco)
Base material group (A, B, C, D, E)
Length of anchor (e.g. 215)



specific nail mounting plug



Anchor length 95 mm: specific overmoulded nail

Tabelle A2: Dimensions

Anchor type	Anchor sleeve			Mounting plug	Specific nail				
	d_{nom} [mm]	h_{ef} [mm]	min L_a max L_a [mm]	min L_s max L_s [mm]	d_n [mm]	c_1 [mm]	c_2 [mm]	min l_n max l_n [mm]	l_u [mm]
EJOT H1 eco	8	45	95 295	32 112	4,5	14	25	60 180	90

Determination of maximum thickness of insulation h_D [mm] EJOT H1 eco:

$h_D = L_a - t_{tol} - h_{ef}$
z.B. $h_D = 215 - 10 - 45$
$h_{Dmax} = 160$

EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex A 4**
Product description Marking and dimension of the anchor sleeve EJOT H1 eco base material group: D, E, expansion element	

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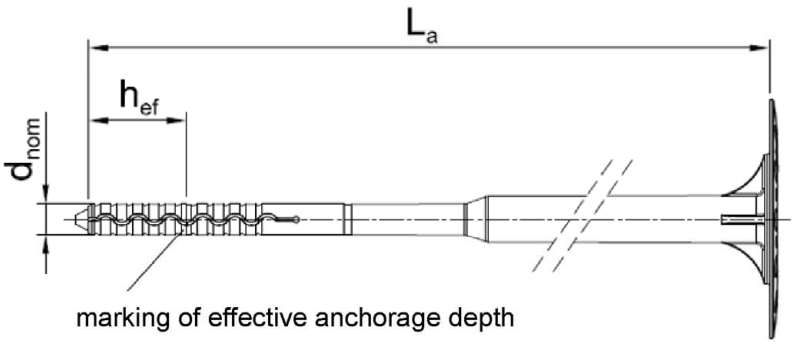
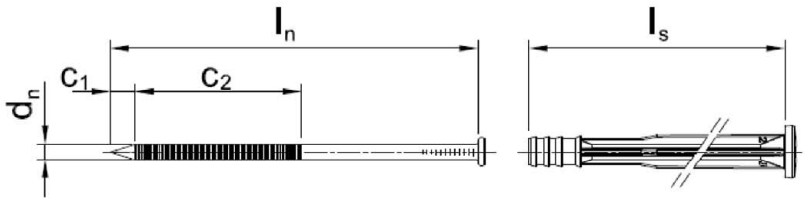
EJOT H4 eco / base material group: A, B, C



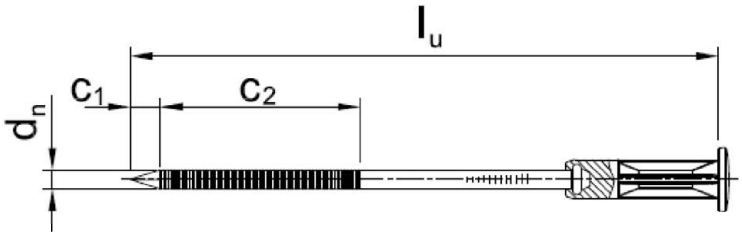
marking of effective anchorage depth

Marking of the anchor sleeve:
Identifying mark (EJOT)
Anchor type (H4 eco)
Base material group (A, B, C, D, E)
Length of anchor (e.g. 215)



specific nail

mounting plug



Anchor length 115 and 135 mm:
specific overmoulded nail

Tabelle A3: Dimensions

Anchor type	Anchor sleeve			Mounting plug / overmoulding	Specific nail				
	d_{nom} [mm]	h_{ef} [mm]	min L_a max L_a [mm]	min L_s max L_s [mm]	d_n [mm]	c_1 [mm]	c_2 [mm]	min l_n max l_n [mm]	l_u [mm]
EJOT H4 eco	8	25	155 355	72 112	4,3	7,0	45	82 244	-
EJOT H4 eco	8	25	115 135	37	4,3	7,0	45		110 130

Determination of maximum thickness of insulation h_D [mm] EJOT H4 eco:

$h_D = L_a - t_{tol} - h_{ef}$

z.B. $h_D = 215 - 10 - 25$

$h_{Dmax} = 180$

EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex A 5**
Product description Marking and dimension of the anchor sleeve EJOT H4 eco base material group: A, B, C, expansion element	

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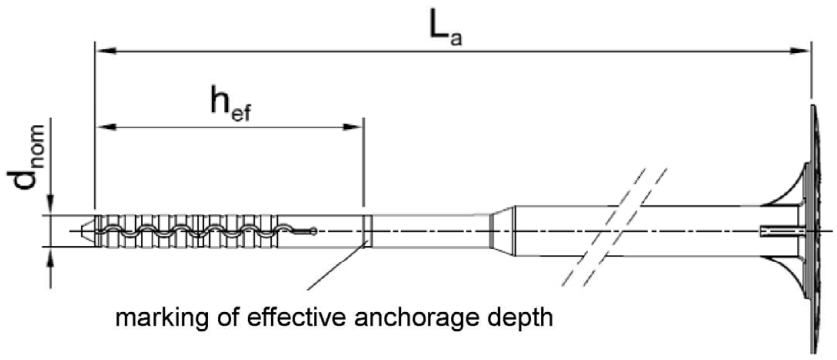
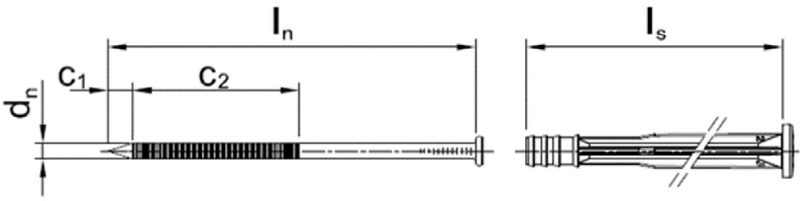
EJOT H4 eco / base material group: D and E

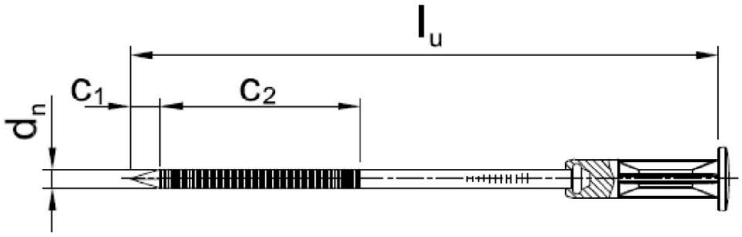


marking of effective anchorage depth

Marking of the anchor sleeve:
Identifying mark (EJOT)
Anchor type (H4 eco)
Base material group (A, B, C, D, E)
Length of anchor (e.g. 215)



specific nail mounting plug



Anchor length 115 and 135 mm:
specific overmoulded nail

Tabelle A4: Dimensions

Anchor type	Anchor sleeve			Mounting plug / overmoulding	Specific nail				
	d_{nom} [mm]	h_{ef} [mm]	min L_a max L_a [mm]	min L_s max L_s [mm]	d_n [mm]	c_1 [mm]	c_2 [mm]	min l_n max l_n [mm]	l_u [mm]
EJOT H4 eco	8	65	155 355	72 112	4,3	7,0	45	82 244	-
EJOT H4 eco	8	65	115 135	37	4,3	7,0	45		110 130

Determination of maximum thickness of insulation h_D [mm] EJOT H4 eco:

$h_D = L_a - t_{tol} - h_{ef}$
z.B. $h_D = 215 - 10 - 65$
$h_{Dmax} = 140$

EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex A 6**
Product description Marking and dimension of the anchor sleeve EJOT H4 eco base material group: D, E, expansion element	

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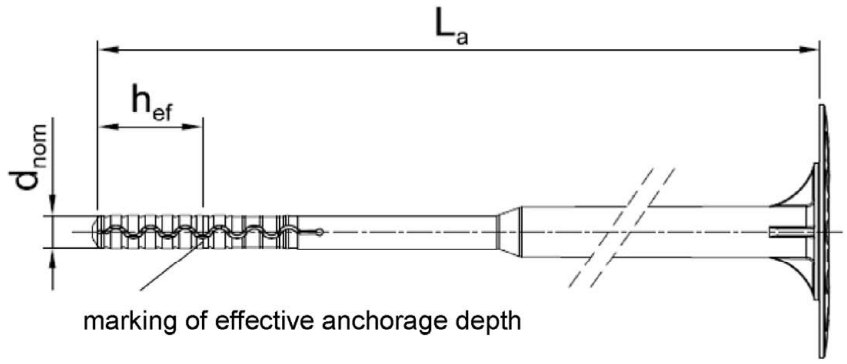
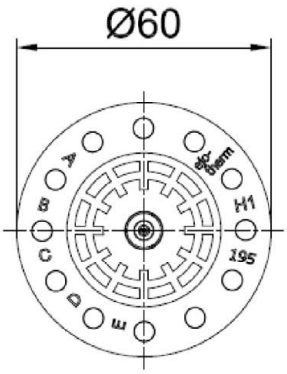
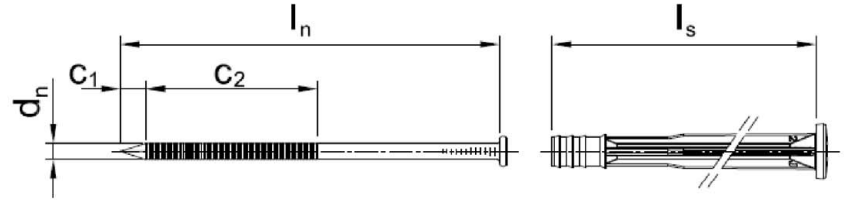
ejotherm H1 / base material group: A, B, C



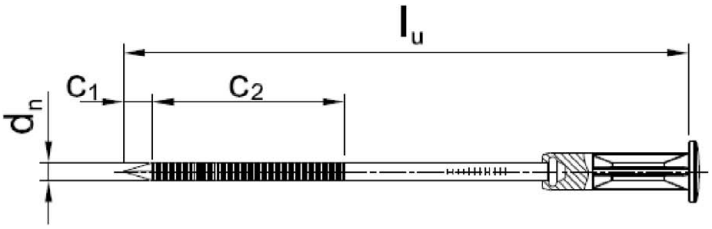
marking of effective anchorage depth



Marking of the anchor sleeve:
Identifying mark (EJOT)
Anchor type (ejotherm H1)
Base material group (A, B, C, D, E)
Length of anchor (e.g. 195)



specific nail mounting plug



Anchor length 95 mm: specific overmoulded nail

Tabelle A5: Dimensions

Anchor type	Anchor sleeve			Mounting plug / overmoulding	Specific nail				
	d_{nom} [mm]	h_{ef} [mm]	min L_a max L_a [mm]	min L_s max L_s [mm]	d_n [mm]	c_1 [mm]	c_2 [mm]	min l_n max l_n [mm]	l_u [mm]
ejotherm H1	8	25	115 355	52 112	4,3	7,0	45	62 244	-
ejotherm H1	8	25	95	37	4,3	7,0	45		95

Determination of maximum thickness of insulation h_D [mm] ejotherm H1:

$h_D = L_a - t_{tol} - h_{ef}$

z.B. $h_D = 195 - 10 - 25$

$h_{Dmax} = 160$

EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex A 7**
Product description Marking and dimension of the anchor sleeve ejotherm H1 base material group: A,B,C, expansion element	

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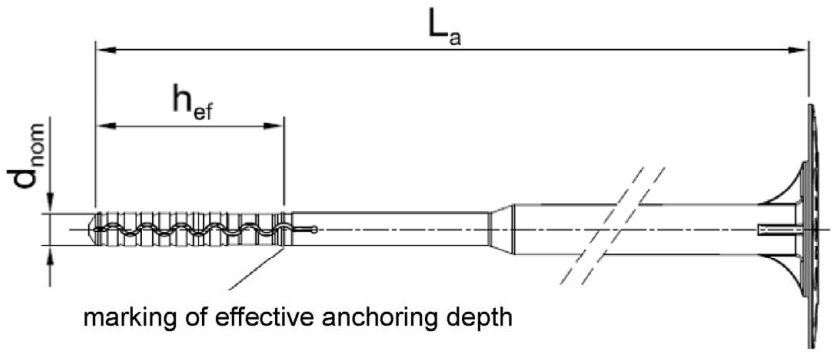
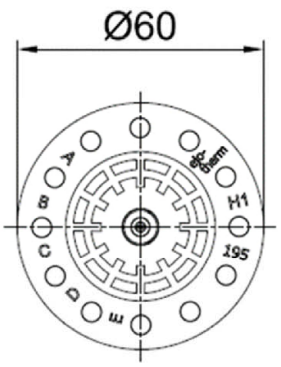
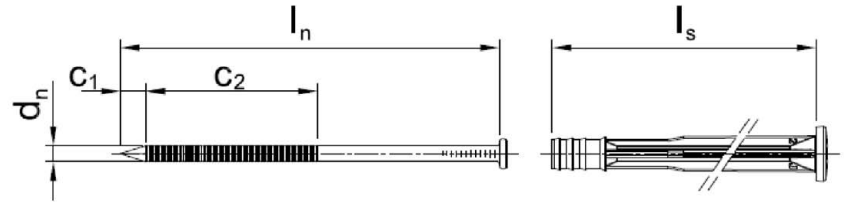
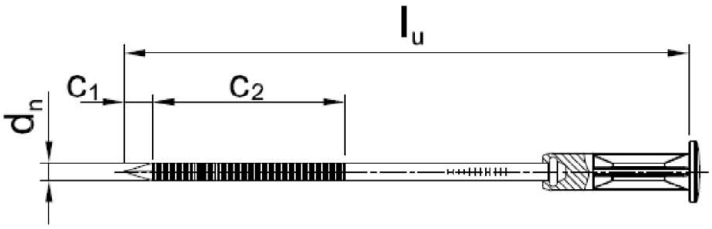
ejotherm H1 / base material group: D and E





Marking of the anchor sleeve:
Identifying mark (EJOT)
Anchor type (ejotherm H1)
Base material group (A, B, C, D, E)
Length of anchor (e.g. 195)





Anchor length 95 mm: specific overmoulded nail

Tabelle A6: Dimensions

Anchor type	Anchor sleeve			Mounting plug / overmoulding	Specific nail				
	d_{nom} [mm]	h_{ef} [mm]	min L_a max L_a [mm]	min L_s max L_s [mm]	d_n [mm]	c_1 [mm]	c_2 [mm]	min l_n max l_n [mm]	l_u [mm]
ejotherm H1	8	45	115 355	52 112	4,3	7,0	45	62 244	-
ejotherm H1	8	45	95	37	4,3	7,0	45		95

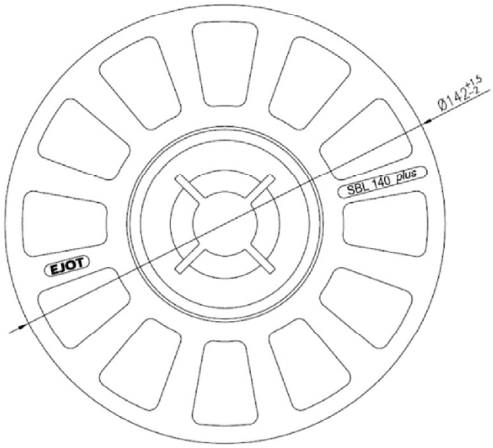
Determination of maximum thickness of insulation h_D [mm] ejotherm H1:

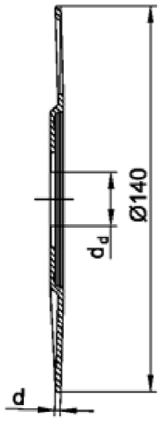
$h_D = L_a - t_{tol} - h_{ef}$
z.B. $h_D = 195 - 10 - 65$
$h_{Dmax} = 120$

EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex A 8**
Product description Marking and dimension of the anchor sleeve ejotherm H1 base material group: D, E, expansion element	

Tabelle A7: Materials EJOT H1 eco, EJOT H4 eco und ejotherm H1	
Name	Materials
Anchor sleeve	virgin Polyethylene, PE-HD Colours: nature, yellow, orange, red, blue, grey, white, green, anthracite
Mounting plug	virgin Polyamide, PA 6 GF 50 Colour: nature
Specific nail	Steel, electro galvanised ≥ 5 µm zinc, according EN ISO 4042: 2018 blue passivated, f_{yk} ≥ 670 N/mm²
Slip on plate	Polyamide PA 6, Polyamide PA 6 GF 50

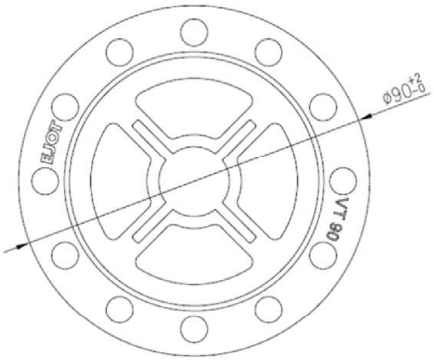
SBL 140 *plus*

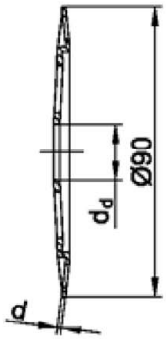




SBL 140 plus		
d_d	[mm]	21,0
d	[mm]	2,0

VT 90





VT 90		
d_d	[mm]	18,5
d	[mm]	1,2

EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex A 9**
Product description Materials and slip on plates	

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Specifications of intended use

Anchorages subject to:

- The anchor may only be used for transmission of wind suction loads and shall not be used for the transmission of dead loads of the thermal insulation composite system.

Base materials:

- Compacted normal weight concrete without fibres (base material group A) according to Annex C 1.
- Solid masonry (base material group B), according to Annex C 1.
- Hollow or perforated masonry (base material group C), according to Annex C 1.
- Prefabricated reinforced components of lightweight aggregate concrete (LAC) (base material group D), according to Annex C 1.
- Autoclaved aerated concrete (base material group E), according to Annex C 1.
- For other base materials of base material groups A, B, C, D or E the characteristic resistance of the anchor may be determined by job site tests in accordance with EOTA Technical Report TR 51 edition April 2018.

Temperature Range:

- 0°C to +40°C (max. short term temperature +40°C and max. long term temperature +24°C)

Design:

- The anchorages are designed under the responsibility of an engineer experienced in accordance and masonry work with the partial safety factors γ_m = 2,0 and γ_F = 1,5 if there are no other regulations.
- Verifiable calculation notes and drawings are prepared taking account of the loads to be anchored. The position of the anchor is indicated on the design drawings.
- Fasteners are only to be used for multiple fixings of thermal insulation composite systems.

Installation:

- Hole drilling by the drill modes according to Annex C 1.
- Anchor installation carried out by appropriately qualified personnel and under the supervision of the person responsible for technical matters of the site.
- Installation temperature from 0°C to +40°C
- Exposure to UV due to solar radiation of the anchor not protected by rendering ≤ 6 weeks

EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex B 1**
Intended use Specifications	

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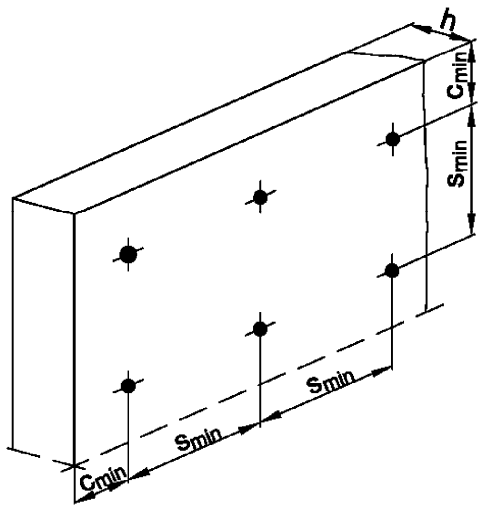
Tabelle B1: Installation Parameters

Anchor type		EJOT H1 eco		EJOT H4 eco		ejotherm H1	
		A B C	D E	A B C	D E	A B C	D E
Drill hole diameter	d_0 [mm] =	8	8	8	8	8	8
Cutting diameter of drill bit	d_{cut} [mm] ≤	8,45	8,45	8,45	8,45	8,45	8,45
Depth of drilled hole to deepest point	h_1 [mm] ≥	35	55	35	75	35	55
Effective anchorage depth	h_{ef} [mm] ≥	25	45	25	65	25	45

Tabelle B2: Anchor distances and dimensions of members

Anchor type		EJOT H1 eco / EJOT H4 eco / ejotherm H1
Minimum spacing	s_{min} ≥ [mm]	100
Minimum edge distance	c_{min} ≥ [mm]	100
Minimum thickness of member	h ≥ [mm]	100

Scheme of distance and spacing



EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex B 2**
Intended use Installations parameters, Edge distances and spacing	

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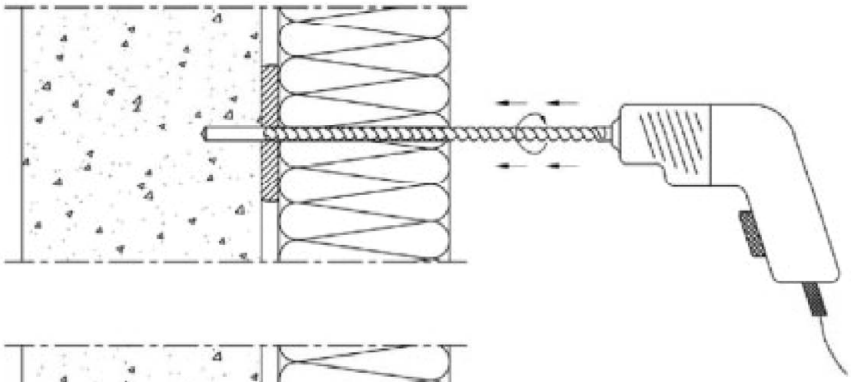
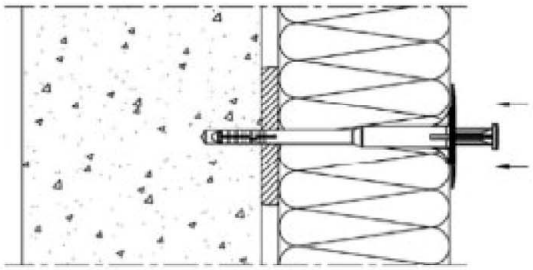
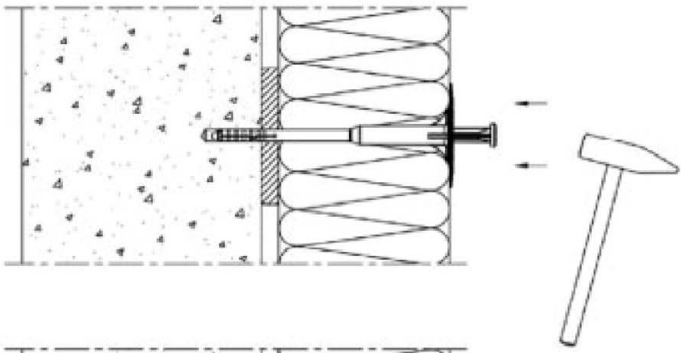
Installation instructions EJOT H1 eco



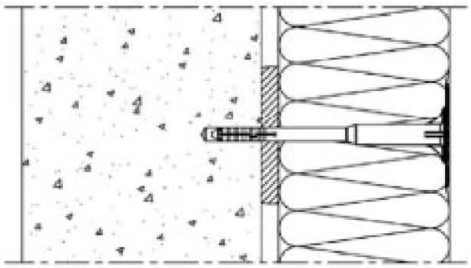
Drill the hole perpendicular to the substrate surface.
Clean the drill hole 3x.



Place the anchor into the drill hole.
The bottom side of the plate must be flush with the insulation.



Drive in the specific nail with the hammer.



Installed condition of EJOT H1 eco.

EJOT H1 eco, EJOT H4 eco und ejotherm H1	**Annex B 3**
Intended use Installation instructions EJOT H1 eco	

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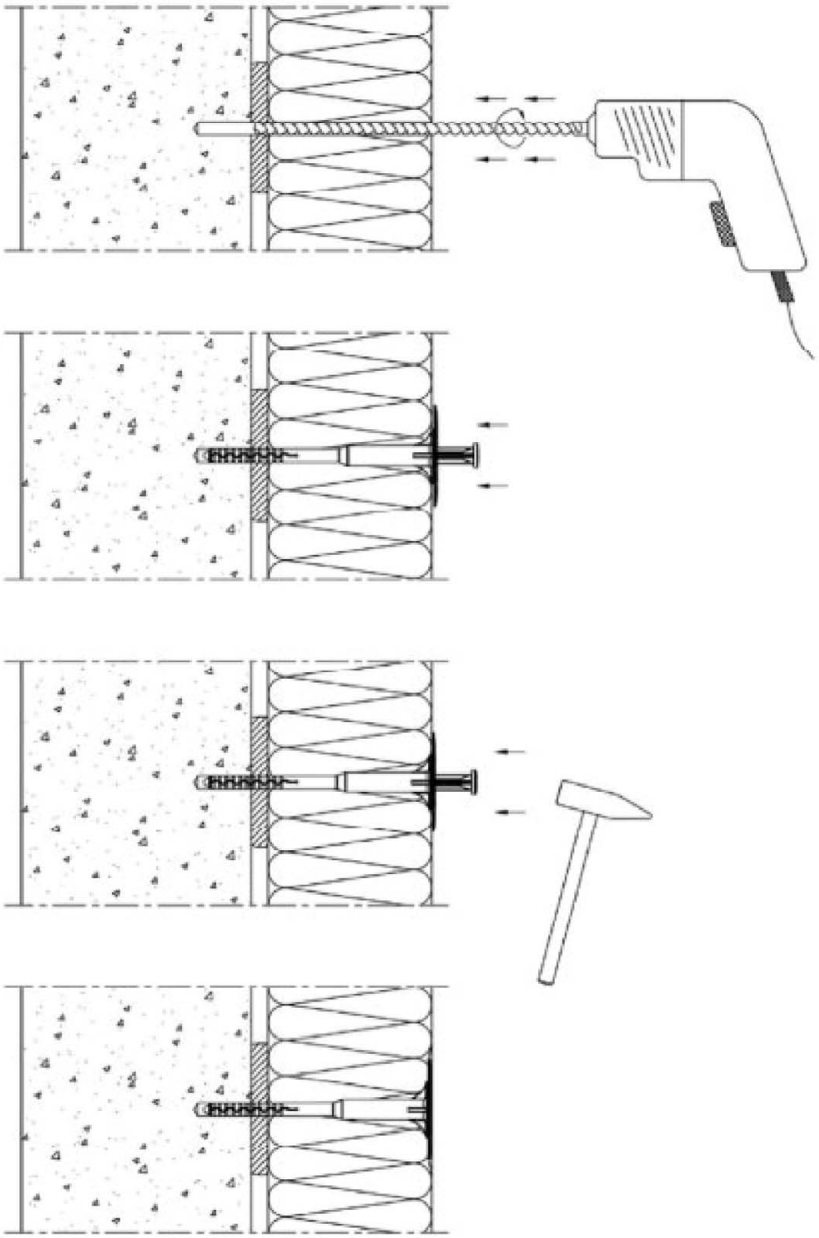
Installation instructions EJOT H4 eco



Drill the hole perpendicular to the substrate surface.
Clean the drill hole 3x.

Place the anchor into the drill hole. The bottom side of the plate must be flush with the insulation.

Drive in the specific nail with the hammer.

Installed condition of EJOT H4 eco.

EJOT H1 eco, EJOT H4 eco und ejotherm H1	**Annex B 4**
Intended use Installation instructions EJOT H4 eco	

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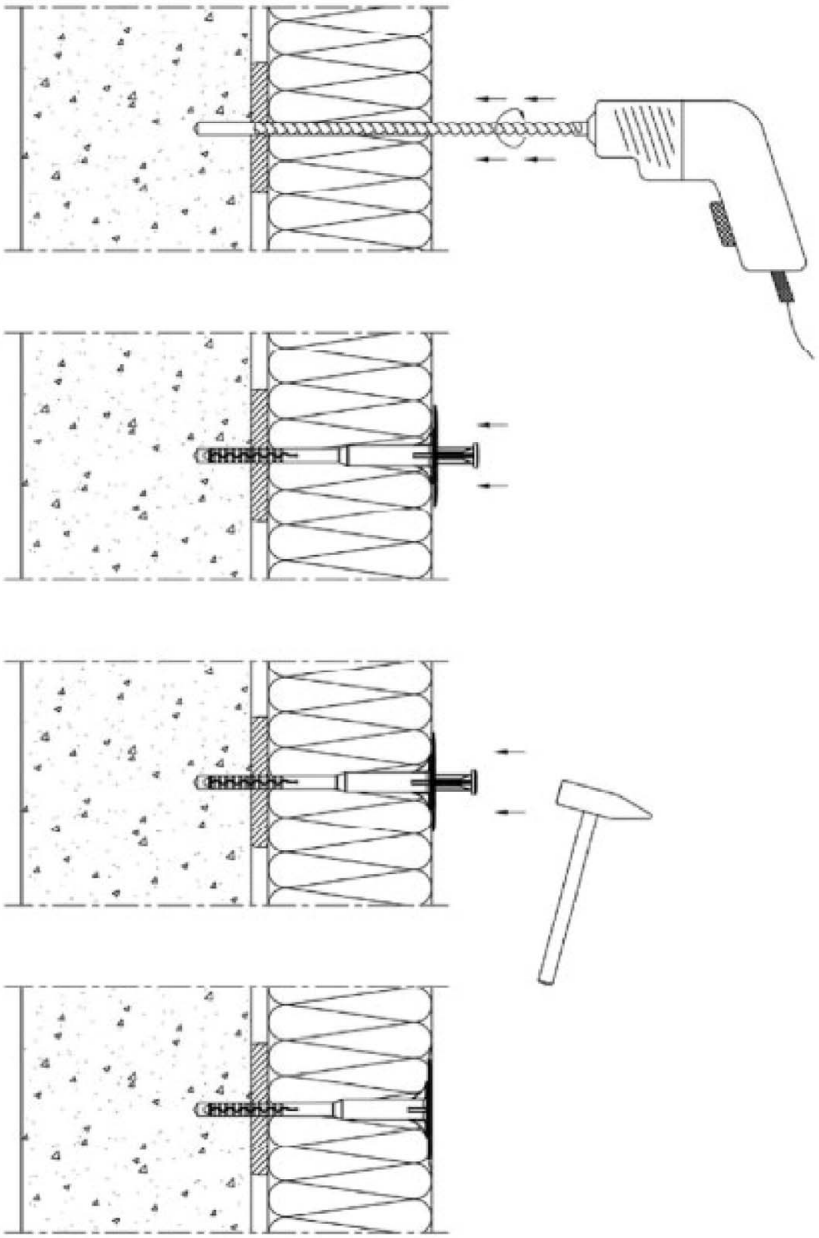
Installation instructions ejotherm H1



Drill the hole perpendicular to the substrate surface.
Clean the drill hole 3x.

Place the anchor into the drill hole.
The bottom side of the plate must be flush with the insulation.

Drive in the specific nail with the hammer.

Installed condition of ejotherm H1.

EJOT H1 eco, EJOT H4 eco und ejotherm H1	**Annex B 5**
Intended use Installation instructions ejotherm H1	

Table C1: Characteristic resistance to tension loads N_{Rk} in concrete and masonry for a single anchor in kN

Base materials	Bulk density ρ [kg/dm³]	Minimum compressive strength f_b [N/mm²]	General remarks	Drill method	EJOT H1 eco N_{Rk} [kN]	EJOT H4 eco N_{Rk} [kN]	ejotherm H1 N_{Rk} [kN]
Concrete C 12/15 as per EN 206:2013+A1:2016			Compacted normal weight concrete without fibres; thickness of the thin skin: 100 mm > h ≥ 40 mm	hammer	0,9	0,5	0,9
Concrete C 20/25 – C 50/60 as per EN 206:2013+A1:2016				hammer	0,9	0,75	1,2
Concrete C 20/25 – C 50/60 as per EN 206:2013+A1:2016 thin concrete members (thin skin)				hammer	-	-	1,2
Clay bricks, Mz, as per EN 771-1:2011+A1:2015	≥ 1,8	12	Vertically perforation[4] up to 15 %.	hammer	0,9	0,75	1,2
Sand-lime solid bricks, KS as per EN 771-2:2011+A1:2015	≥ 1,8	12	Vertically perforation[4] up to 15 %.	hammer	0,9	0,75	1,2
Vertically perforated clay bricks, HLz as per EN 771-1:2011+A1:2015	≥ 1,2	20	Vertically perforation[4] >15% and ≤50%	rotary	0,75[1]	-	-
Vertically perforated clay bricks, HLz as per EN 771-1:2011+A1:2015	≥ 0,9	12	Vertically perforation[4] >15% and ≤50%	rotary	0,6[2]	0,5[2]	-
Vertically perforated clay bricks, HLz as per EN 771-1:2011+A1:2015	≥ 0,8	12	Vertically perforation[4] >15% and ≤50%	rotary	-	-	0,75[2]
Sand-lime perforated bricks, KSL as per EN 771-2:2011+A1:2015	≥ 1,4	12	Vertically perforation[4] >15% and ≤50%	rotary	0,9[3]	0,75[3]	1,2[3]
lightweight aggregate concrete, LAC as per EN 1520:2011, EN 771-3:2011+A1:2015	≥ 1,2	4		hammer	0,9	1,2	1,1
Autoclaved aerated concrete as per EN 771-4:2011 +A1:2015	≥ 0,6	4		rotary	0,5	0,5	0,9

[1] The value applies only for outer web thickness ≥ 14 mm; otherwise the characteristic resistance shall be determined by job site pull-out tests.
[2] The value applies only for outer web thickness ≥ 11 mm; otherwise the characteristic resistance shall be determined by job site pull-out tests.
[3] The value applies only for outer web thickness ≥ 20 mm; otherwise the characteristic resistance shall be determined by job site pull-out tests.
[4] Cross section reduced by perforation vertically to the resting area

EJOT H1 eco, EJOT H4 eco and ejotherm H1

Performances
Characteristic resistance

Annex C 1

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EJOT H1 eco

Table C2: Point thermal transmittance according EOTA Technical Report TR 025:2016-05		
anchor type	insulation thickness h_D [mm]	point thermal transmittance χ [W/K]
EJOT H1 eco	60 – 260	0,001

Table C3: Plate stiffness according EOTA Technical Report TR 026:2016-05			
anchor type	diameter of the anchor plate [mm]	load resistance of the anchor plate [kN]	plate stiffness [kN/mm]
EJOT H1 eco	60	1,4	0,6

Table C4: Displacements EJOT H1 eco				
Base materials	Bulk density ρ [kg/dm³]	minimum compressive strength f_b [N/mm²]	Tension load N [kN]	Displacements $\Delta\delta_N$ [mm]
Concrete C 12/15 – C 50/60 (EN 206:2013+A1:2016)			0,3	0,3
Clay bricks, Mz (EN 771-1:2011+A1:2015)	≥ 1,8	12	0,3	0,3
Sand-lime solid bricks, KS (EN 771-2:2011+A1:2015)	≥ 1,8	12	0,3	0,3
Vertically perforated clay bricks, HLz (EN 771-1:2011+A1:2015)	≥ 1,2	20	0,25	0,4
Vertically perforated clay bricks, HLz (EN 771-1:2011+A1:2015)	≥ 0,9	12	0,2	0,2
Sand-lime perforated bricks, KSL (EN 771-2:2011+A1:2015)	≥ 1,4	12	0,3	0,3
Lightweight aggregate concrete, LAC (EN 1520:2011 / EN 771-3:2011+A1:2015)	≥ 1,2	4	0,3	1,1
Autoclaved aerated concrete (EN 771-4:2011+A1:2015)	≥ 0,6	4	0,17	0,7

EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex C 2**
Performances Point thermal transmittance, plate stiffness, displacements EJOT H1 eco	

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EJOT H4 eco

Table C5: Point thermal transmittance according EOTA Technical Report TR 025:2016-05		
anchor type	insulation thickness h_D [mm]	point thermal transmittance χ [W/K]
EJOT H4 eco	60 – 320	0,001

Table C6: Plate stiffness according EOTA Technical Report TR 026:2016-05			
anchor type	diameter of the anchor plate [mm]	load resistance of the anchor plate [kN]	plate stiffness [kN/mm]
EJOT H4 eco	60	1,4	0,6

Table C7: Displacements EJOT H4 eco				
Base materials	Bulk density ρ [kg/dm³]	minimum compressive strength f_b [N/mm²]	Tension load N [kN]	Displacements $\Delta\delta_N$ [mm]
Concrete C 12/15 – C 50/60 (EN 206:2013+A1:2016)			0,25	0,6
Clay bricks, Mz (EN 771-1:2011+A1:2015)	≥ 1,8	12	0,25	0,4
Sand-lime solid bricks, KS (EN 771-2:2011+A1:2015)	≥ 1,8	12	0,25	0,4
Vertically perforated clay bricks, HLz (EN 771-1:2011+A1:2015)	≥ 0,9	12	0,15	0,6
Sand-lime perforated bricks, KSL (EN 771-2:2011+A1:2015)	≥ 1,4	12	0,25	0,4
Lightweight aggregate concrete, LAC (EN 1520:2011 / EN 771-3:2011+A1:2015)	≥ 1,2	4	0,4	1,3
Autoclaved aerated concrete (EN 771-4:2011+A1:2015)	≥ 0,6	4	0,17	0,6

EJOT H1 eco, EJOT H4 eco and ejotherm H1	**Annex C 3**
Performances Point thermal transmittance, plate stiffness, displacements EJOT H4 eco	

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ejotherm H1

Table C8: Point thermal transmittance according EOTA Technical Report TR 025:2016-05		
anchor type	insulation thickness h_D [mm]	point thermal transmittance χ [W/K]
ejotherm H1	60 – 320	0,001

Table C9: Plate stiffness according EOTA Technical Report TR 026:2016-05			
anchor type	diameter of the anchor plate [mm]	load resistance of the anchor plate [kN]	plate stiffness [kN/mm]
ejotherm H1	60	1,4	0,6

Table C10: Displacements ejotherm H1				
Base materials	Bulk density ρ [kg/dm³]	minimum compressive strength f_b [N/mm²]	Tension load N [kN]	Displacements $\Delta\delta_N$ [mm]
Concrete C 12/15 (EN 206:2013+A1:2016)			0,3	0,6
Concrete C 20/25 – C 50/60 (EN 206:2013+A1:2016)			0,4	0,6
Clay bricks, Mz (EN 771-1:2011+A1:2015)	≥ 1,8	12	0,4	0,6
Sand-lime solid bricks, KS (EN 771-2:2011+A1:2015)	≥ 1,8	12	0,4	0,6
Vertically perforated clay bricks, HLz (EN 771-1:2011+A1:2015)	≥ 0,8	12	0,25	0,3
Sand-lime perforated bricks, KSL (EN 771-2:2011+A1:2015)	≥ 1,4	12	0,4	0,4
Lightweight aggregate concrete, LAC (EN 1520:2011 / EN 771-3:2011+A1:2015)	≥ 1,2	4	0,37	0,5
Autoclaved aerated concrete EN 771-4:2011+A1:2015)	≥ 0,6	4	0,3	0,4

EJOT H1 eco, EJOT H4 eco and ejotherm H4	**Annex C 4**
Performances Point thermal transmittance, plate stiffness, displacements ejotherm H1	