

Leistungserklärung

Nr.: 9 - 018 - 11/0192 - 2022/1

DE

EJOT®

b) Brandschutz (BWR 2)

Wesentliche Merkmale	Leistungswerte

c) Hygiene, Gesundheit und Umweltschutz (BWR 3)

Wesentliche Merkmale	Leistungswerte

d) Schallschutz (BWR 5)

Wesentliche Merkmale	Leistungswerte

e) Energieeinsparung und Wärmeschutz (BWR 6)

Wesentliche Merkmale	Leistungswerte
Punktbezogener Wärmedurchgangskoeffizient	siehe Anhang C 4

f) Nachhaltige Nutzung der natürlichen Ressourcen (BWR 7)

Wesentliche Merkmale	Leistungswerte

Die Leistung des vorstehenden Produkts entspricht der erklärten Leistung/den erklärten Leistungen. Für die Erstellung der Leistungserklärung im Einklang mit der Verordnung (EU) Nr. 305/2011 ist allein der oben genannte Hersteller verantwortlich.

Unterzeichnet für den Hersteller und im Namen des Herstellers von:

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(Name)

Bad Laasphe, 15.02.2023

(Ort und Datum der Ausstellung)



(Unterschrift)

Table C1: Characteristic resistance to tension loads N_{Rk} in concrete and masonry for a single anchor in kN					EJOT H1 eco	EJOT H4 eco	ejothem H1
Base materials	Bulk density ρ [kg/dm ³]	Minimum com- pressive strength f_c [N/mm ²]	General remarks	Drill method	N_{Rk} [kN]	N_{Rk} [kN]	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

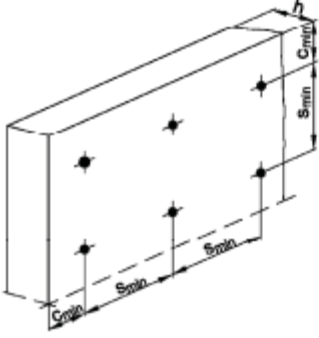
¹⁾ The value applies only for outer web thickness ≥ 14 mm; otherwise the characteristic resistance shall be determined by job site pull-out tests.
²⁾ The value applies only for outer web thickness ≥ 11 mm; otherwise the characteristic resistance shall be determined by job site pull-out tests.
³⁾ The 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 ejothem H1	Annex C 1
Performances Characteristic resistance	

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	$s_{min} \geq$ [mm]	100
Minimum edge distance	$c_{min} \geq$ [mm]	100
Minimum thickness of member	$h \geq$ [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	

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/dm ³]	minimum compressive strength f_c [N/mm ²]	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)	$\geq 1,8$	12	0,4	0,6
Sand-lime solid bricks, KS (EN 771-2:2011+A1:2015)	$\geq 1,8$	12	0,4	0,6
Vertically perforated clay bricks, HLz (EN 771-1:2011+A1:2015)	$\geq 0,8$	12	0,25	0,3
Sand-lime perforated bricks, KSL (EN 771-2:2011+A1:2015)	$\geq 1,4$	12	0,4	0,4
Lightweight aggregate concrete, LAC (EN 1520:2011 / EN 771-3:2011+A1:2015)	$\geq 1,2$	4	0,37	0,5
Autoclaved aerated concrete EN 771-4:2011+A1:2015)	$\geq 0,6$	4	0,3	0,4

EJOT H1 eco, EJOT H4 eco and ejotherm H4

Performances

Point thermal transmittance, plate stiffness, displacements
ejotherm H1

Annex C 4