

Declaration of Performance
 Deklaracja Właściwości Użytkowych
 Nr 1/23



1. Unique identification code of the product-type:

ETX-M



2. Intended use/es:

Nailed in plastic anchors for fixing of external thermal insulation composite systems with rendering
 - with a metal-plastic specific nail

3. Manufacturer:

ZIEL-PLAST
 Zielińscy Spółka Komandytowa
 ul. Zamkowa 28
 32-652 Bulowice

4. System/s of AVPC:

System 2+

5.

- a) European Assessment Document: EAD 330196-01-0604
- b) European Technical Assessment ETA-23/0351
- c) Technical Assessment Body: Instytut Techniki Budowlanej
- d) Notified body/ies: identification number 1488

6. Declared performance/s:

Characteristic tension resistance					
Base material	Cat.	Bulk density [kg/dm ³]	Compressive strength [N/mm ²]	Drill method	ETX-M
					Characteristic resistance
					[kN]
Concrete C12/15 <i>acc. to EN 206-1</i>	A	-	-	hammer	0,90
Concrete C16/20 ÷ C50/60 <i>acc. to EN 206-1</i>	A	-	-	hammer	1,30
Thin concrete members C16/20 ÷ C50/60 <i>acc. to EN 206-1</i>	A	-	-	hammer	1,30
Clay brick MZ <i>acc. to EN 771-1</i>	B	≥ 1,80	≥ 15,0	hammer	1,30
Calcium silicate brick KS <i>acc. to EN 771-2</i>	B	≥ 1,80	≥ 15,0	hammer	1,30
Calcium silicate hollow block KSL <i>acc. to EN 771-2</i> a=40mm	C	≥ 1,60	≥ 12,0	hammer	1,30
Vertically perforated clay bricks Porotherm 25 <i>acc. to EN 771-1</i> a=12mm	C	≥ 0,80	≥ 15,0	rotary	0,50
Vertically perforated clay bricks Porotherm 25 <i>acc. to EN 771-1</i> a=17mm	C	≥ 0,80	≥ 15,0	rotary	0,70
Lightweight concrete hollow block HBL <i>acc. to EN 771-3</i> a=33mm	C	≥ 0,80	≥ 2,0	rotary	0,60
Lightweight concrete hollow block Tekno Amerblok PK17,8 <i>acc. to EN 771-3</i> a=30mm	C	≥ 1,50	≥ 25,0	rotary	1,30
Lightweight concrete hollow block Tekno Amerblok PK19 <i>acc. to EN 771-3</i> a=30mm	C	≥ 1,10	≥ 20,0	rotary	1,30
Lightweight concrete block LAC <i>acc. to EN 771-3</i>	D	≥ 0,88	≥ 5,0	rotary	0,60
Autoclaved aerated concrete block AAC2 <i>acc. to EN 771-4</i>	E	≥ 0,35	≥ 2,0	rotary	0,50
Autoclaved aerated concrete block AAC7 <i>acc. to EN 771-4</i>	E	≥ 0,65	≥ 5,0	rotary	0,90

Plate stiffness

Anchor type	Plate diameter	Load resistance	Plate stiffness
	[mm]	[kN]	[kN/mm]
ETX-M	60	1,95	1,0

Point thermal transmittance

Anchor type	Installed condition	Insulation thickness	Point thermal transmittance
		[mm]	[W/K]
ETX-M	Surface mount	70	0,002
		150	0,002
		530	0,001
	Countersunk mount	70	0,002
		150	0,002
		530	0,001

Displacements

Base material	ETX-M	
	Tension load	Displacement
	[kN]	[mm]
Concrete C12/15 <i>acc. to EN 206-1</i>	0,30	0,09
Concrete C16/20 ÷ C50/60 <i>acc. to EN 206-1</i>	0,43	0,14
Thin concrete members C16/20 ÷ C50/60 <i>acc. to EN 206-1</i>	0,43	0,14
Clay brick MZ <i>acc. to EN 771-1</i>	0,43	0,14
Calcium silicate brick KS <i>acc. to EN 771-2</i>	0,43	0,09
Calcium silicate hollow block KSL <i>acc. to EN 771-2 a=40mm</i>	0,43	0,09
Vertically perforated clay bricks Porotherm 25 <i>acc. to EN 771-1 a=12mm</i>	0,17	0,09
Vertically perforated clay bricks Porotherm 25 <i>acc. to EN 771-1 a=17mm</i>	0,23	0,09
Lightweight concrete hollow block HBL <i>acc. to EN 771-3 a=33mm</i>	0,20	0,09
Lightweight concrete hollow block Tekno Amerblok PK17,8 <i>acc. to EN 771-3 a=30mm</i>	0,43	0,14
Lightweight concrete hollow block Tekno Amerblok PK19 <i>acc. to EN 771-3 a=30mm</i>	0,43	0,14
Lightweight concrete block LAC <i>acc. to EN 771-3</i>	0,20	0,21
Autoclaved aerated concrete block AAC2 <i>acc. to EN 771-4</i>	0,17	0,17
Autoclaved aerated concrete block AAC7 <i>acc. to EN 771-4</i>	0,30	0,17

7. Appropriate Technical Documentation and/or Specific Technical Documentation:**Safety in case of fire**

Not assessed based on the EAD 330196-01-0604.

Justification based on EAD 330196-01-0604, section 2.1, table 2.1, annotation 2.: *Where the plastic parts of the anchor are embedded in concrete or masonry it may be assumed that these plastic parts do not make any contribution to fire growth or to the fully developed fire and they have no influence to the smoke hazard.*

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Aigned for and on behalf of the manufacturer by:

*Tomasz Zieliński
Bulowice, 11.05.2023*

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