



INSTYTUT TECHNIKI BUDOWLANEJ



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European Technical Assessment

**ETA-24/0771
of 13/09/2024**



General Part

Technical Assessment Body issuing the European Technical Assessment

Instytut Techniki Budowlanej

Trade name of the construction product

TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC

Product family to which the construction product belongs

Nailed-in plastic anchors for fixing of external thermal insulation composite systems with rendering in concrete and masonry

Manufacturer

Desarrollos Especiales de Sistemas de Anclaje S.A. (Desa)
C/ Basters 29, Poligono Industrial El Palau del Reig
43800 Valls (Tarragona)
Spain

Manufacturing plant

Manufacturing Plant No. 30

This European Technical Assessment contains

19 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

European Assessment Document (EAD)
330196-01-0604 "Plastic anchors made of virgin or non-virgin material for fixing of external thermal insulation composite systems with rendering"

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Specific Part

1 Technical description of the product

The TACO SUPER INCO CLASSIC nailed-in plastic anchor consists of plastic sleeve with a plate made of polypropylene (virgin material) and an accompanying nail as an expansion pin made of the fiberglass reinforced polyamide.

The TACO SUPER INCO MT CLASSIC nailed-in plastic anchor consists of plastic sleeve with a plate made of polypropylene (virgin material) and an accompanying nail with threaded end as an expansion pin made of galvanized steel with head coated of fiberglass reinforced polyamide.

The TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC anchors may be combined with the additional plates SIC $\varnothing 90$ mm and $\varnothing 140$ mm, made of the fibreglass reinforced polyamide or polypropylene.

The description of the products is given in Annex A.

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

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

The provisions made in this European Technical Assessment are based on an assumed working life of the anchor of 25 years. The indications given on the working life cannot be interpreted as a guarantee given by the producer or the Technical Assessment Body, 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 Performance of the product

3.1.1 Safety in use (BWR 4)

Essential characteristic	Performance
Characteristic resistance	Annex C1
Edge distance and spacing	Annex B2
Plate stiffness	Annex C2
Displacements	Annex C3

3.1.2 Energy economy and heat retention (BWR 6)

Essential characteristic	Performance
Point thermal transmittance	Annex C2

3.2 Methods used for the assessment

The assessment has been made in accordance with EAD 330196-01-0604.

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

According to Decision 97/463/EC of the European Commission the system 2+ of assessment and verification of constancy of performance applies (see Annex V to regulation (EU) No 305/2011).

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

Technical details necessary for the implementation of the AVCP system are laid down in the control plan deposited in Instytut Techniki Budowlanej.

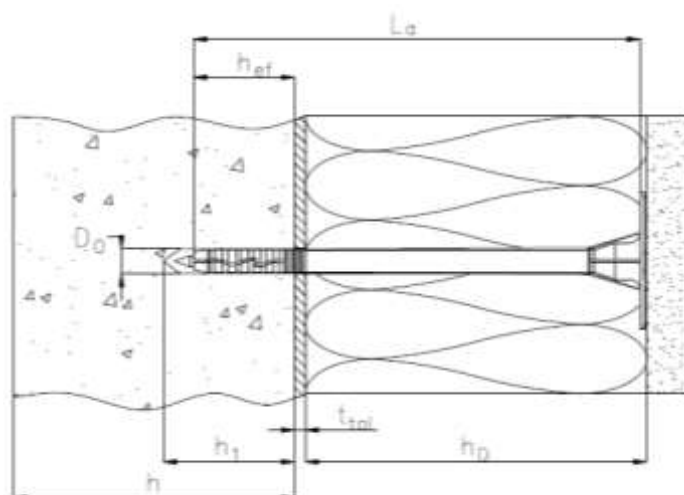
For type testing the results of the tests performed as part of the assessment for the European Technical Assessment shall be used unless there are changes in the production line or plant. In such cases the necessary type testing has to be agreed between Instytut Techniki Budowlanej and the notified body.

Issued in Warsaw on 13/09/2024 by Instytut Techniki Budowlanej

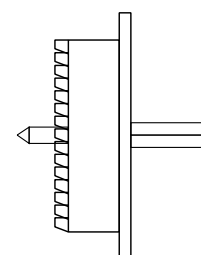
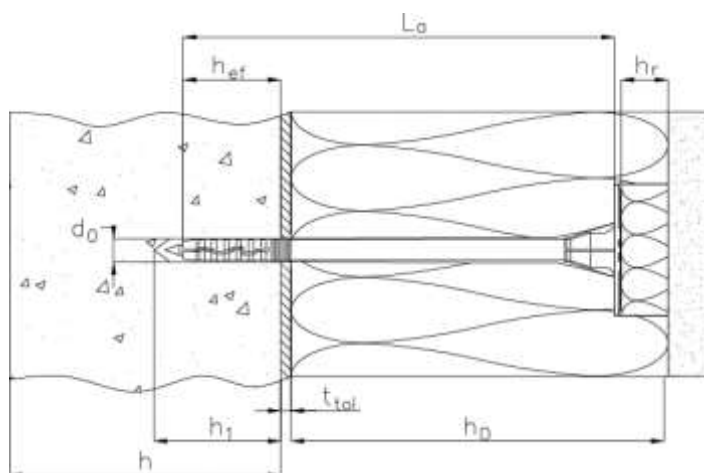


Anna Panek, MSc
Deputy Director of ITB

a) Flush installation – without styrofoam disc



b) Countersunk installation – with styrofoam disc



Special drill for installation

Intended Use

Fixing of external thermal insulation composite systems with rendering in concrete and masonry.

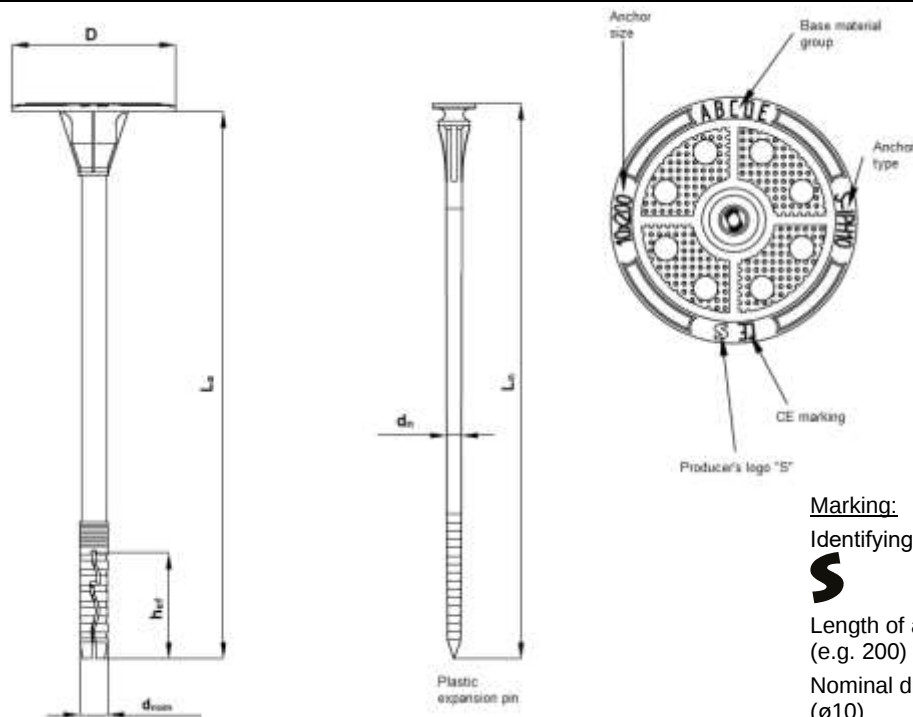
Legend

- d_0 = drill hole diameter
- h_{ef} = effective anchorage depth
- h_1 = depth of drill hole to deepest point (in base material)
- h = thickness of base material (wall)
- h_D = thickness of insulation material
- t_{tol} = thickness of equalizing layer for compensation of tolerance or non-load-bearing coating
- h_r = thickness of styrofoam disc
- L_a = length of plastic anchor

TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC

Product description
Installation conditions

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**Marking:**

Identifying mark (producer's logo):

SLength of anchor:
(e.g. 200)Nominal diameter d_{nom} :
($\varnothing 10$)Base material group:
(A, B, C, D, E)**Table A1: TACO SUPER INCO CLASSIC anchor dimensions [mm]**

Anchor designation	TACO SUPER INCO CLASSIC anchor sleeve					TACO SUPER INCO CLASSIC expansion pin	
	d_{nom}	L_a	D	h_{ef} (ABCD)	h_{ef} (E)	d_n	L_s
TACO SUPER INCO CLASSIC x 70	10	70	60	30 / 50 ¹⁾	50	5,10	75
TACO SUPER INCO CLASSIC x 90	10	90	60	30 / 50 ¹⁾	50	5,10	95
TACO SUPER INCO CLASSIC x 120	10	120	60	30 / 50 ¹⁾	50	5,10	125
TACO SUPER INCO CLASSIC x 140	10	140	60	30 / 50 ¹⁾	50	5,10	145
TACO SUPER INCO CLASSIC x 160	10	160	60	30 / 50 ¹⁾	50	5,10	165
TACO SUPER INCO CLASSIC x 180	10	180	60	30 / 50 ¹⁾	50	5,10	185
TACO SUPER INCO CLASSIC x 200	10	200	60	30 / 50 ¹⁾	50	5,10	205
TACO SUPER INCO CLASSIC x 220	10	220	60	30 / 50 ¹⁾	50	5,10	225
TACO SUPER INCO CLASSIC x 260	10	260	60	30 / 50 ¹⁾	50	5,10	265
TACO SUPER INCO CLASSIC x 300	10	300	60	30 / 50 ¹⁾	50	5,10	305

¹⁾ according to Table C1 and C2 h_{ef} (ABCD) – for anchors in the base material group A, B, C and D h_{ef} (E) – for anchors in the base material group EDetermination of maximum thickness of insulation material: $h_D = L_a - t_{tol} - h_{ef}$ **TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC****Product description**

Marking and dimensions of the TACO SUPER INCO CLASSIC anchors

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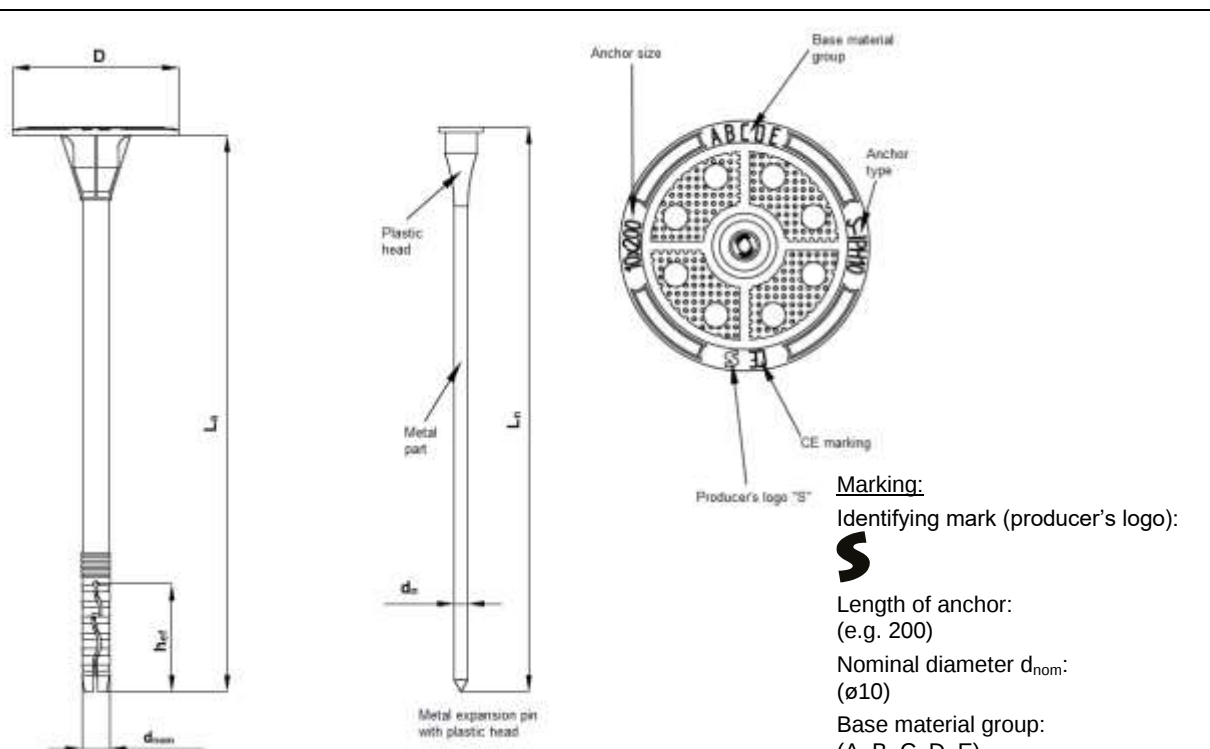


Table A2: TACO SUPER INCO MT CLASSIC anchor dimensions [mm]

Anchor designation	TACO SUPER INCO MT CLASSIC anchor sleeve					TACO SUPER INCO MT CLASSIC expansion pin	
	d_{nom}	L_a	D	$h_{ef}(ABCD)$	$h_{ef}(E)$	d_n	L_s
TACO SUPER INCO MT CLASSIC x 70	10	70	60	30 / 50 ¹⁾	50	5,00	75
TACO SUPER INCO MT CLASSIC x 90	10	90	60	30 / 50 ¹⁾	50	5,00	95
TACO SUPER INCO MT CLASSIC x 120	10	120	60	30 / 50 ¹⁾	50	5,00	125
TACO SUPER INCO MT CLASSIC x 140	10	140	60	30 / 50 ¹⁾	50	5,00	145
TACO SUPER INCO MT CLASSIC x 160	10	160	60	30 / 50 ¹⁾	50	5,00	165
TACO SUPER INCO MT CLASSIC x 180	10	180	60	30 / 50 ¹⁾	50	5,00	185
TACO SUPER INCO MT CLASSIC x 200	10	200	60	30 / 50 ¹⁾	50	5,00	205
TACO SUPER INCO MT CLASSIC x 220	10	220	60	30 / 50 ¹⁾	50	5,00	225
TACO SUPER INCO MT CLASSIC x 260	10	260	60	30 / 50 ¹⁾	50	5,00	265
TACO SUPER INCO MT CLASSIC x 300	10	300	60	30 / 50 ¹⁾	50	5,00	305

¹⁾ according to Table C1 and C2

 $h_{ef}(ABCD)$ – for anchors in the base material group A, B, C and D

 $h_{ef}(E)$ – for anchors in the base material group E

Determination of maximum thickness of insulation material: $h_D = L_a - t_{tol} - h_{ef}$

TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC

Product description

Marking and dimensions of the TACO SUPER INCO MT CLASSIC anchors

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Table A3: Materials

Designation	Material
Anchor sleeve TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC	Virgin material: polypropylene (gray or natural)
Expansion pin TACO SUPER INCO CLASSIC	Fiberglass reinforced polyamide (black)
Expansion pin TACO SUPER INCO MT CLASSIC	Carbon steel ($f_{y,k} \geq 220$ MPa, $f_{u,k} \geq 360$ MPa), galvanized ≥ 5 μm according to EN ISO 4042, with fiberglass reinforced polyamide (black) coated head

TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC

Product description
Materials

Annex A4
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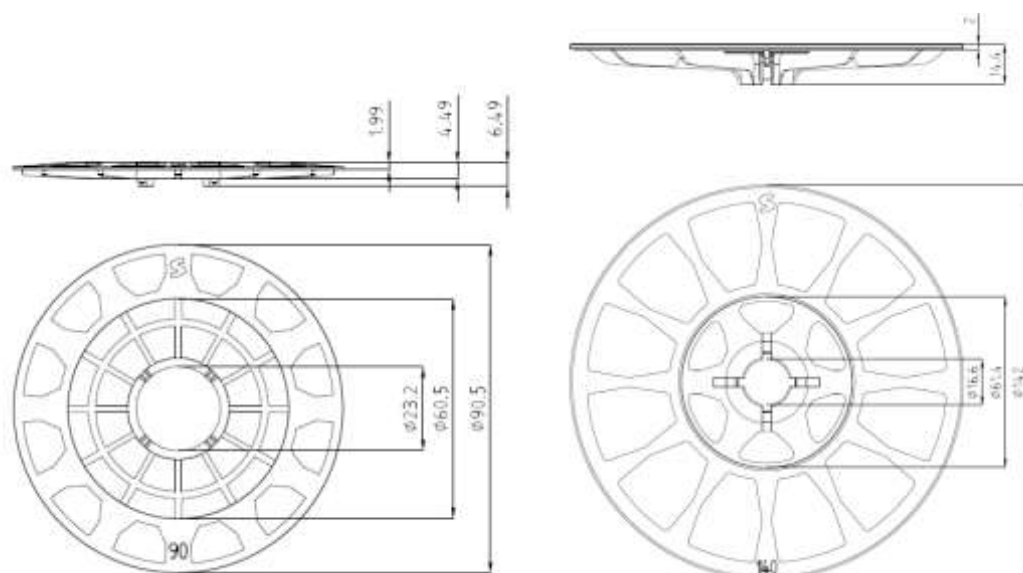


Table A4: Additional plate SIC ø90 mm

Plate type	Outer diameter [mm]	Material
SIC ø90	90	Fibreglass reinforced polyamide (gray) or polypropylene (natural)

Table A5: Additional plate SIC ø140 mm

Plate type	Outer diameter [mm]	Material
SIC ø140	140	Fibreglass reinforced polyamide (gray) or polypropylene (natural)

TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC

Product description
Additional plate SIC ø90 mm and SIC ø140

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Specification of intended use

Anchorage subject to:

- Wind suction loads.
Note: The anchor shall not be used for the transmission of dead loads of the external thermal insulation composite system.

Base materials:

- Reinforced or unreinforced normal weight concrete (base material group A), according to Annex C1 and C3.
- Solid masonry (base material group B), according to Annex C1 and C3.
- Hollow or perforated masonry (base material group C), according to Annex C1 and C3.
- Lightweight aggregate concrete (base material group D), according to Annex C1 and C3.
- Autoclaved aerated concrete (base material group E), according to Annex C1 and C3.
- For other base materials of the base material groups A, B, C, D or E the characteristic resistance of the anchor may be determined by job site tests according to EOTA Technical Report TR 051, edition December 2016.

Application 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 anchorages and masonry work with the partial safety factors $\gamma_M = 2,0$ and $\gamma_F = 1,5$, if there are no other national regulations.
- Verifiable calculation notes and drawings with anchor positions are prepared taking into account of the loads to be anchored.
- Fasteners are only to be used for multiple fixings of thermal insulation composite system (ETICS).

Installation:

- Hole shall be drilled by the drill methods according to Annex C1.
- Anchor installation shall be carried out by appropriately qualified personnel and under the supervision of the person responsible for technical matters of the site.
- Installation shall be executed in temperature from 0°C to +40°C.
- Exposure to UV due to solar radiation of the anchor not protected by rendering shall not exceed 6 weeks.

TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC

**Intended use
Specifications**

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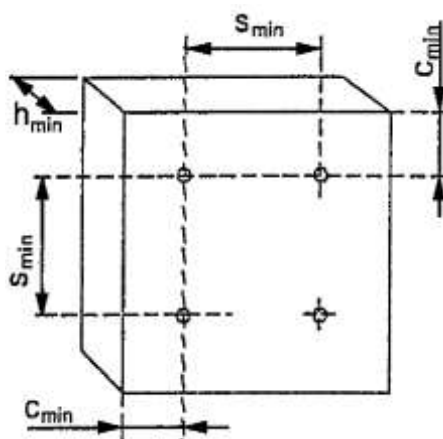
Table B1: Installation characteristics

Anchor type		TACO SUPER INCO CLASSIC	TACO SUPER INCO MT CLASSIC
Nominal diameter of drill bit	d_0 [mm]	10	10
Cutting diameter of drill bit	d_{cut} [mm]	$\leq 10,45$	$\leq 10,45$
Depth of drill hole for base material group A, B, C, D	h_1 [mm]	$\geq 60 / \geq 40$	$\geq 60 / \geq 40$
Effective anchorage depth for base material group A, B, C, D	h_{ef} [mm]	$\geq 50 / \geq 30^{1)}$	$\geq 50 / \geq 30^{1)}$
Depth of drill hole for base material group E	h_1 [mm]	≥ 60	≥ 60
Effective anchorage depth for base material group E	h_{ef} [mm]	≥ 50	≥ 50

¹⁾ according to Table C1 and C2

Table B2: Minimum thickness of base material, spacing and edge distance

Anchor type		TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC
Minimum thickness of base material	h_{min} [mm]	100
Minimum spacing	s_{min} [mm]	100
Minimum edge distance	c_{min} [mm]	100

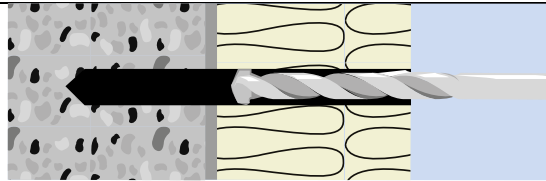
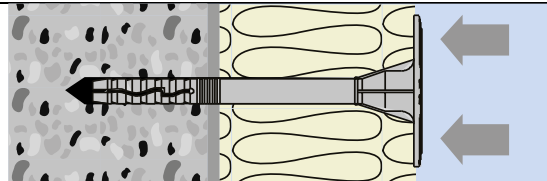
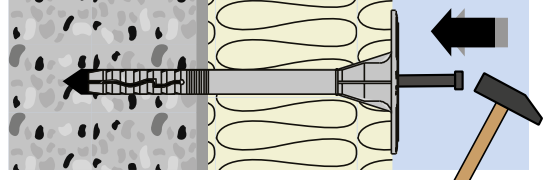
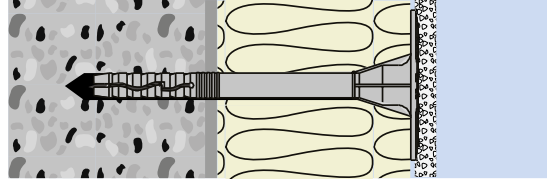
Diagram of spacing

TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC

Intended use
Installation characteristics, minimum thickness of base material, spacing and edge distance

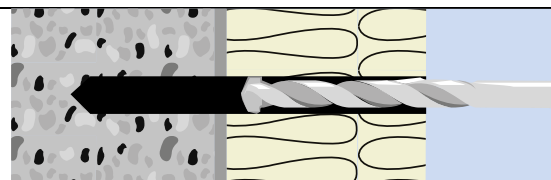
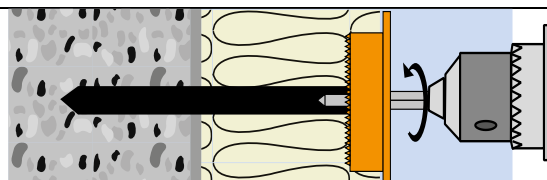
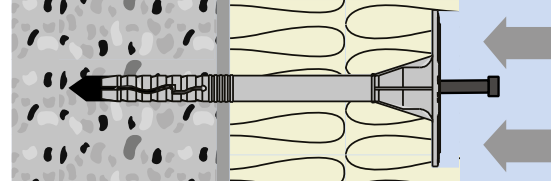
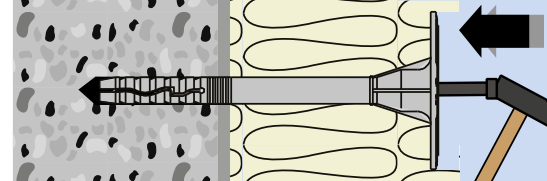
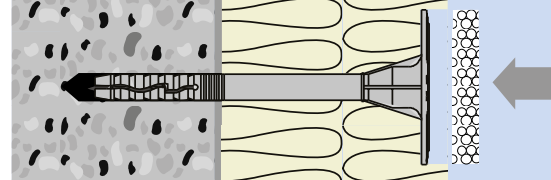
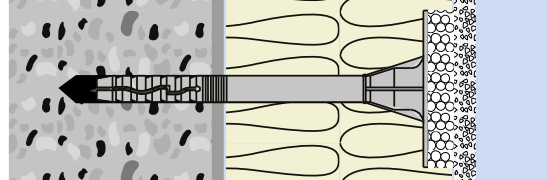
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Installation instruction

a) Flush installation – without styrofoam disc

 1. Drill the hole by corresponding drilling method according to Annex C1. Drill perpendicular.	 2. Clean the hole. Set-in the anchor and make sure that the plate bottom is flush with the ETICS surface.
 3. Nail-in the expansion pin.	 4. Correctly installed anchor.

b) Countersunk installation – with styrofoam disc

 1. Drill the hole by corresponding drilling method according to Annex C1. Drill perpendicular.	 2. Clean the drill hole. Drill the recess in the installation for the installation with the corresponding tool.
 3. Set-in the anchor and make sure that the plate bottom is flush with the ETICS surface.	 4. Nail-in the expansion pin.
 5. Place the styrofoam disc.	 6. Correctly installed anchor.

TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC

Intended use
Installation instruction

Annex B3
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Table C1: Characteristic resistance to tension loads N_{Rk} in concrete and masonry for single TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC anchor – effective anchorage depth $h_{ef} = 30$ mm

Base material group	Base material	Bulk density [kg/dm ³]	Compressive strength [N/mm ²]	Referring standard	h_{ef} [mm]	N_{Rk} [kN]		Drill method
						TACO SUPER INCO CLASSIC	TACO SUPER INCO MT CLASSIC	
A	Concrete C12/15			EN 206	30	0,35	0,50	hammer
A	Concrete C20/25 – C50/60			EN 206	30	0,55	0,70	hammer
B	Clay bricks 	≥ 1,8	≥ 20,0	EN 771-1	30	0,50	0,85	hammer
B	Calcium silicate bricks KS 	≥ 1,8	≥ 20,0	EN 771-2	30	0,45	0,75	hammer
C	Calcium silicate hollow blocks (e.g. KSL 340 x 180 x 197 mm)  $a^1 = 24$ mm	≥ 1,45	≥ 15,0	EN 771-2	30	0,25	0,60	hammer
C	Calcium silicate hollow blocks (e.g. KSL 254 x 180 x 237 mm)  $a^1 = 20$ mm	≥ 1,45	≥ 15,0	EN 771-2	30	0,30	0,55	hammer
C	Vertically perforated porosited clay blocks (e.g. Porotherm 25)  $a^1 = 10$ mm	≥ 0,8	≥ 15,0	EN 771-1	30	0,35	0,55	rotary
C	Vertically perforated clay bricks (e.g. MEGA-MAX 250)  $a^1 = 12$ mm	≥ 0,8	≥ 15,0	EN 771-1	30	0,40	0,55	rotary
¹⁾ minimum values “a”; for elements with lower value of “a” the load tests on the construction site are required ²⁾ in the absence of national regulation								

TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC

Performances
Characteristic resistance

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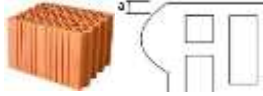
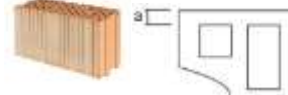
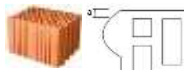
extension of table C1								
Base material group	Base material	Bulk density [kg/dm ³]	Compressive strength [N/mm ²]	Referring standard	h _{ef} [mm]	N _{Rk} [kN]		Drill method
						TACO SUPER INCO CLASSIC	TACO SUPER INCO MT CLASSIC	
C	Perforated ceramic brick (490 x 132 x 250 mm)  a ¹⁾ = 12 mm	≥ 0,8	≥ 15,0	EN 771-1	30	0,30	0,65	rotary
C	Perforated ceramic brick LODE  a ¹⁾ = 11 mm	≥ 0,65	≥ 15,0	EN 771-1	30	0,35	0,35	rotary
C	Perforated ceramic brick (e.g. Porotherm GF R20)  a ¹⁾ = 9 mm	≥ 0,6	≥ 10,0	EN 771-1	30	0,35	0,45	rotary
C	Concrete hollowed brick B40 405 x 188 x 196 mm  a ¹⁾ = 18 mm	≥ 0,8	≥ 6,0	EN 771-3	30	0,15	0,45	rotary
D	Lightweight concrete blocks LAC3 	≥ 0,88	≥ 5,0	EN 771-3	30	0,20	0,35	rotary
Partial safety factor for anchor resistance γ _M ²⁾		2,0						
¹⁾ minimum values "a"; for elements with lower value of "a" the load tests on the construction site are required ²⁾ in the absence of national regulation								
TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC						Annex C1 of European Technical Assessment ETA-24/0771		
Performances Characteristic resistance								

Table C2: Characteristic resistance to tension loads N_{Rk} in concrete and masonry for single TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC anchors – effective anchorage depth $h_{ef} = 50$ mm

Base material group	Base material	Bulk density [kg/dm³]	Compressive strength [N/mm²]	Referring standard	h _{ef} [mm]	N _{Rk} [kN]		Drill method
						TACO SUPER INCO CLASSIC	TACO SUPER INCO MT CLASSIC	
A	Concrete C12/15			EN 206	50	0,70	0,70	hammer
A	Concrete C20/25 – C50/60			EN 206	50	1,00	1,00	hammer
B	Clay bricks MZ 	≥ 2,0	≥ 20,0	EN 771-1	50	1,20	1,20	hammer
B	Clay bricks MZ+H 	≥ 2,0	≥ 20,0	EN 771-1	50	0,55	0,85	hammer
B	Calcium silicate bricks 	≥ 2,0	≥ 20,0	EN 771-2	50	1,20	1,20	hammer
C	Calcium silicate hollow blocks (e.g. KSL 340 x 180 x 197 mm)  a ¹⁾ = 24 mm	≥ 1,6	≥ 12,0	EN 771-2	50	0,65	0,75	rotary
C	Vertically perforated porosited clay blocks (e.g. Porotherm 25)  a ¹⁾ = 10 mm	≥ 1,2	≥ 12,0	EN 771-1	50	0,40	0,45	rotary
C	Vertically perforated clay bricks (e.g. MEGA-MAX 250)  a ¹⁾ = 12 mm	≥ 0,8	≥ 10,0	EN 771-1	50	0,35	0,40	rotary
D	Lightweight concrete blocks LAC3 	≥ 0,88	≥ 5,0	EN 771-3	50	0,45	0,65	rotary
D	Lightweight concrete blocks LAC+H 	≥ 0,88	≥ 5,0	EN 771-3	50	0,15	0,15	rotary
E	Autoclaved concrete blocks AAC 2	≥ 0,35	≥ 2,0	EN 771-4	50	0,35	0,30	rotary
E	Autoclaved concrete blocks AAC 7	≥ 0,65	≥ 3,5	EN 771-4	50	0,40	0,40	rotary
Partial safety factor for anchor resistance γ _M ²⁾		2,0						
¹⁾ minimum values “a”; for elements with lower value of “a” the load tests on the construction site are required								
²⁾ in the absence of national regulation								

TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC

Performances
Characteristic resistance

Annex C1
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Table C3: Plate stiffness according to EOTA Technical Report TR 026

Anchor type	Diameter of the anchor plate d_{plate} [mm]	Characteristic load resistance of the anchor plate F [kN]	Plate stiffness c [kN/mm]
TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC	60	1,43	0,4

Table C4: Insulation thickness and point thermal transmittance according to EOTA Technical Report TR 025

Anchor type	Insulation thickness h_D [mm]	Point thermal transmittance χ [W/K]
TACO SUPER INCO CLASSIC	40	0,001
	150	0,000
	230	0,000
TACO SUPER INCO MT CLASSIC	40	0,002
	150	0,003
	230	0,003

TACO SUPER INCO CLASSIC and TACO SUPER INCO MT CLASSIC

Performances
Plate stiffness and point thermal transmittance

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Table C5: Displacements – effective anchorage depth $h_{ef} = 30$ mm

Base material group	Base material	Bulk density [kg/dm ³]	Compressive strength [N/mm ²]	h_{ef} [mm]	$\frac{N_{Rk}}{3}$ [kN]		$\delta \left(\frac{N_{Rk}}{3} \right)$ [mm]	
					TACO SUPER INCO CLASSIC	TACO SUPER INCO MT CLASSIC	TACO SUPER INCO CLASSIC	TACO SUPER INCO MT CLASSIC
A	Concrete C12/15			30	0,12	0,17	0,29	0,36
A	Concrete C20/25 – C50/60			30	0,18	0,23	0,53	0,58
B	Clay bricks 	$\geq 1,8$	$\geq 20,0$	30	0,17	0,28	0,26	0,55
B	Calcium silicate bricks KS 	$\geq 1,8$	$\geq 20,0$	30	0,15	0,25	0,20	0,49
C	Calcium silicate hollow blocks (e.g. KSL 340 x 180 x 197 mm)   $a^1 = 24$ mm	$\geq 1,45$	$\geq 15,0$	30	0,08	0,20	0,19	0,18
C	Calcium silicate hollow blocks (e.g. KSL 254 x 180 x 237 mm)   $a^1 = 20$ mm	$\geq 1,45$	$\geq 15,0$	30	0,10	0,18	0,23	0,25
C	Vertically perforated porosited clay blocks (e.g. Porotherm 25)   $a^1 = 10$ mm	$\geq 0,8$	$\geq 15,0$	30	0,12	0,18	0,11	0,29
C	Vertically perforated clay bricks (e.g. MEGA-MAX 250)   $a^1 = 12$ mm	$\geq 0,8$	$\geq 15,0$	30	0,13	0,18	0,13	0,23

¹⁾ minimum values "a"; for elements with lower value of "a" the load tests on the construction site are required

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extension of table C5

Base material group	Base material	Bulk density [kg/dm ³]	Compressive strength [N/mm ²]	h _{ef} [mm]	$\frac{N_{Rk}}{3}$ [kN]		$\delta \left(\frac{N_{Rk}}{3} \right)$ [mm]	
					TACO SUPER INCO CLASSIC	TACO SUPER INCO MT CLASSIC	TACO SUPER INCO CLASSIC	TACO SUPER INCO MT CLASSIC
C	Perforated ceramic brick (490 x 132 x 250 mm)  a ¹⁾ = 12 mm	≥ 0,8	≥ 15,0	30	0,10	0,22	0,08	0,19
C	Perforated ceramic brick LODE  a ¹⁾ = 11 mm	≥ 0,65	≥ 15,0	30	0,12	0,12	0,17	0,15
C	Perforated ceramic brick (e.g. PoroTherm GF R20)  a ¹⁾ = 9 mm	≥ 0,6	≥ 10,0	30	0,12	0,15	0,11	0,22
C	Concrete hollowed brick B40 405 x 188 x 196 mm  a ¹⁾ = 18 mm	≥ 0,8	≥ 6,0	30	0,05	0,15	0,04	0,16
D	Lightweight concrete blocks LAC3 	≥ 0,88	≥ 5,0	30	0,07	0,12	0,08	0,21

¹⁾ minimum values "a"; for elements with lower value of "a" the load tests on the construction site are required

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Table C6: Displacements – effective anchorage depth $h_{ef} = 50$ mm

Base material group	Base material	Bulk density [kg/dm ³]	Compressive strength [N/mm ²]	h_{ef} [mm]	$\frac{N_{Rk}}{3}$ [kN]		$\delta \left(\frac{N_{Rk}}{3} \right)$ [mm]	
					TACO SUPER INCO CLASSIC	TACO SUPER INCO MT CLASSIC	TACO SUPER INCO CLASSIC	TACO SUPER INCO MT CLASSIC
A	Concrete C12/15			50	0,23	0,23	0,08	0,11
A	Concrete C20/25 – C50/60			50	0,33	0,33	0,12	0,16
B	Clay bricks MZ 	≥ 2,0	≥ 20,0	50	0,40	0,40	0,20	0,14
B	Clay bricks MZ+H 	≥ 2,0	≥ 20,0	50	0,18	0,28	0,10	0,17
B	Calcium silicate bricks 	≥ 2,0	≥ 20,0	50	0,40	0,40	0,20	0,14
C	Calcium silicate hollow blocks (e.g. KSL 340 x 180 x 197 mm)  $a^1 = 24$ mm	≥ 1,6	≥ 12,0	50	0,22	0,25	0,10	0,17
C	Vertically perforated porosited clay blocks (e.g. Porothersm 25)  $a^1 = 10$ mm	≥ 1,2	≥ 12,0	50	0,13	0,15	0,08	0,15
C	Vertically perforated clay bricks (e.g. MEGA-MAX 250)  $a^1 = 12$ mm	≥ 0,8	≥ 10,0	50	0,12	0,13	0,07	0,07
D	Lightweight concrete blocks LAC3 	≥ 0,88	≥ 5,0	50	0,15	0,22	0,10	0,09
D	Lightweight concrete blocks LAC+H 	≥ 0,88	≥ 5,0	50	0,05	0,05	0,10	0,09
E	Autoclaved concrete blocks AAC 2	≥ 0,35	≥ 2,0	50	0,12	0,10	0,10	0,09
E	Autoclaved concrete blocks AAC 7	≥ 0,65	≥ 3,5	50	0,13	0,13	0,10	0,09

¹⁾ minimum values "a"; for elements with lower value of "a" the load tests on the construction site are required

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