

**INDEX**<sup>®</sup>  
A PERFECT FIXING



VENTILATED FACADES

**2021**

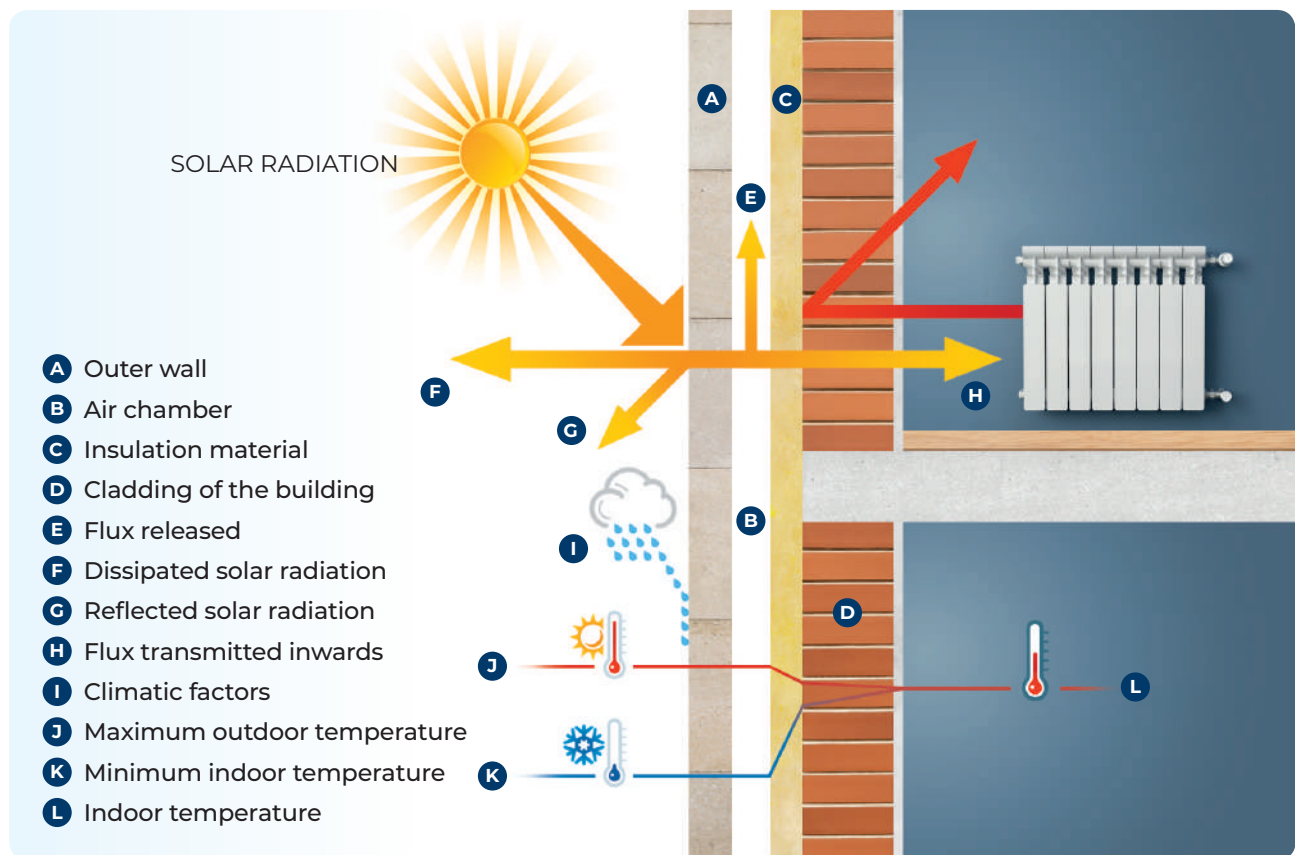
## Basic concepts of facades

### DESCRIPTION

The ventilated facade is a construction system consisting of an inner skin and outer skin, which are separated by a ventilated air chamber.

### PURPOSE

- Thermal and acoustic insulation of the building.
- Protection of the construction elements.
- Appearance of the building.



### PROPERTIES AND CHARACTERISTICS

The supporting metal structure is fixed to the wall of the building using **fixing elements**, making installation possible in separate layers, such as an outer wall and insulation material, so that an intermediate air cavity (chamber) can be created.

The width of the ventilated air chamber in these facades is normally at least 2.5 times the thickness of the panel, never less than 3 cm, with at least 5 cm being recommended. **The “chimney” effect results in natural ventilation** (hence the term ventilated facade) which offers notable benefits:

- It improves the thermal insulation conditions.
- Protection against direct solar radiation.
- Enables ventilation of the energy absorbed by the panelling.

To be considered a ventilated facade, it must be open at the top and bottom so that a blast of air can be created. If there are open joints between the pieces of panelling, these are called “open-joint” facades.

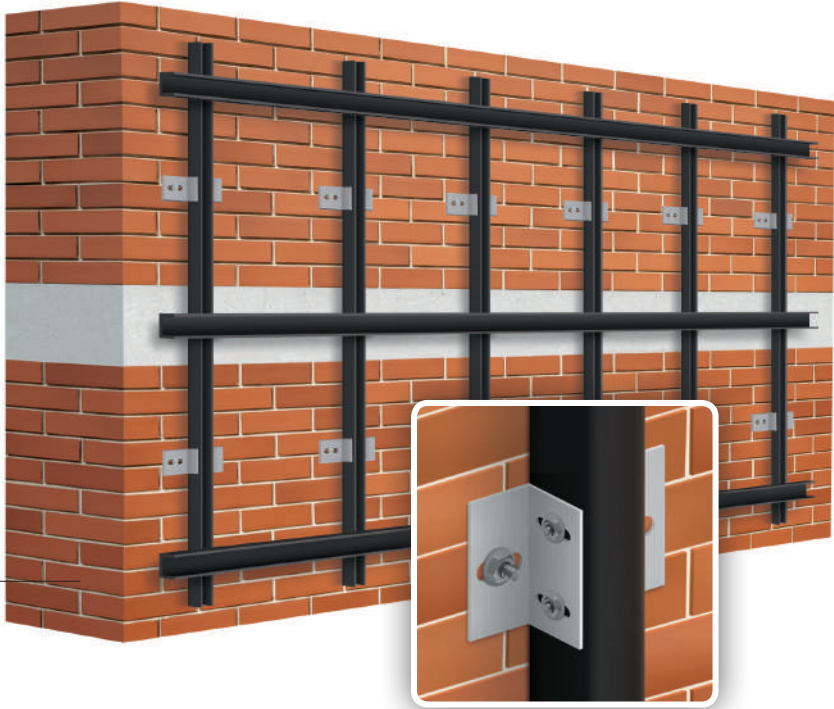
**TYPES OF FACADES**

a) By the type of anchoring to the support

Point-supported (mechanical or chemical)



By substructure (columns or columns and beams)



b) By the type of joint with the substructure



Fixing with hidden clip



Fixing with profiles to the grooved tiles



Fixing with visible clip

c) By the material

- Stone
- Ceramic
- Composites
- Metal
- Bakelite wood
- Heavy panels
- GRC panels
- Panels made from innovative materials

# VENTILATED FACADES

## PROS

Energy efficiency due to higher insulation capacity of the covering.



Less damage over time, with savings in repairs and maintenance costs.



Prevents damp and thermal bridges on the outer walls. Eliminates the risk of interstitial condensation.



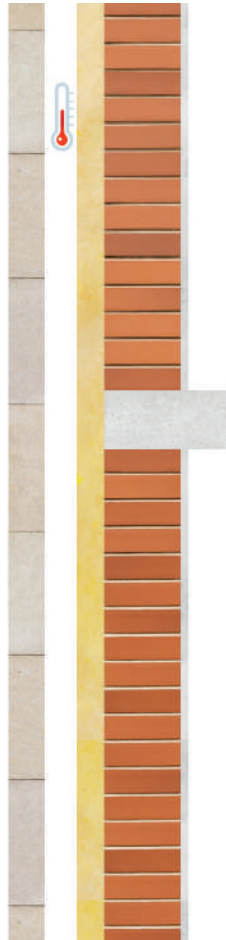
Easy to assemble, install and dismantle. Easy to change and/or replace the cladding elements.



Depending on the conditions and the state of the support, its fastening and installation system means that it can be used in restorations and renovations.

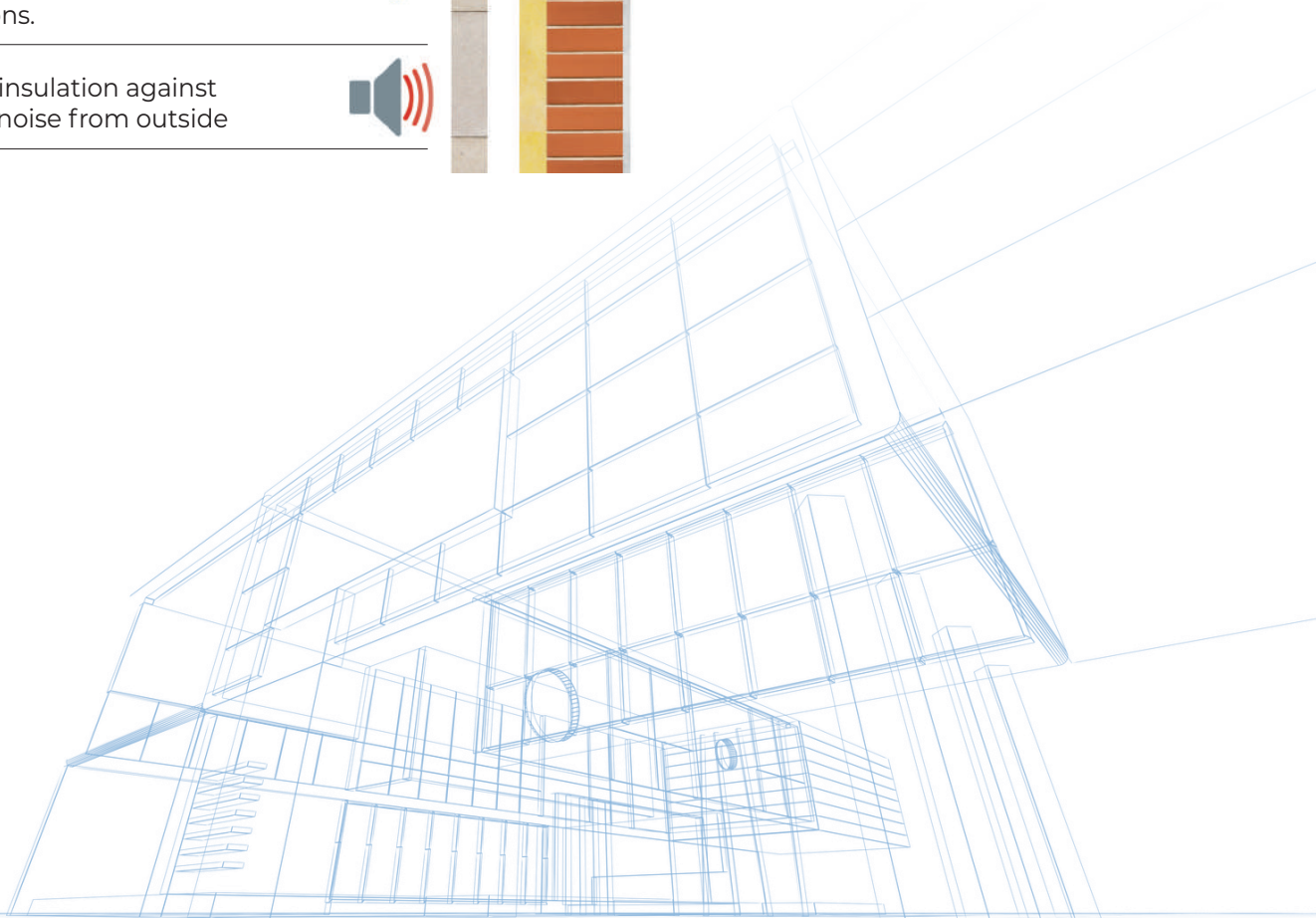


Acoustic insulation against airborne noise from outside



## CONS

- It has a higher construction cost than traditional systems.
- It may become detached, so any possible detachment of panels must be analysed and their installation must be carefully monitored.
- Ageing of the material, especially in humid climates.
- If you do not use suitable material, there is a risk that fire will spread between floors via the chamber.
- Not impact-resistant; a common problem for building facades at street level. They require a mortar base or physical protection at the footing.

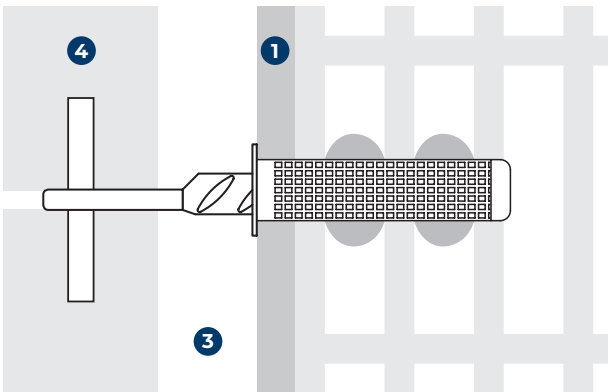


## DESIGN, CONSTRUCTION AND/OR APPLICATION

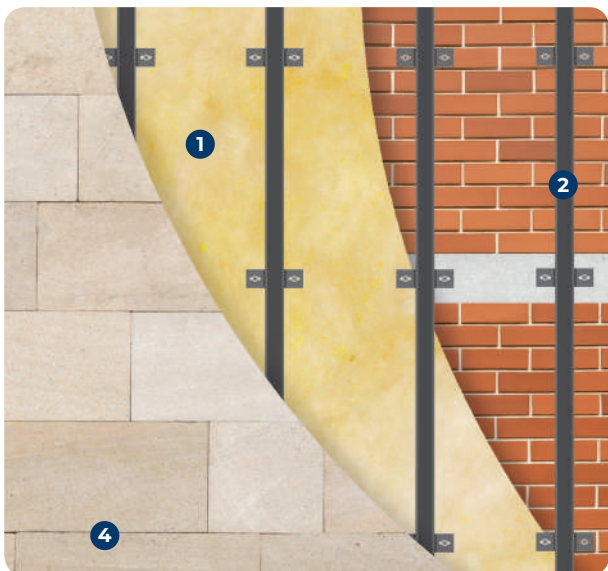
### Components of the ventilated facade

The ventilated facade is assembled by fitting thin pieces of stone, ceramic or other materials, fixed to the support with metal anchors that are placed in a visible or hidden position, leaving a space between the panelling and the supporting area for an air flow to circulate.

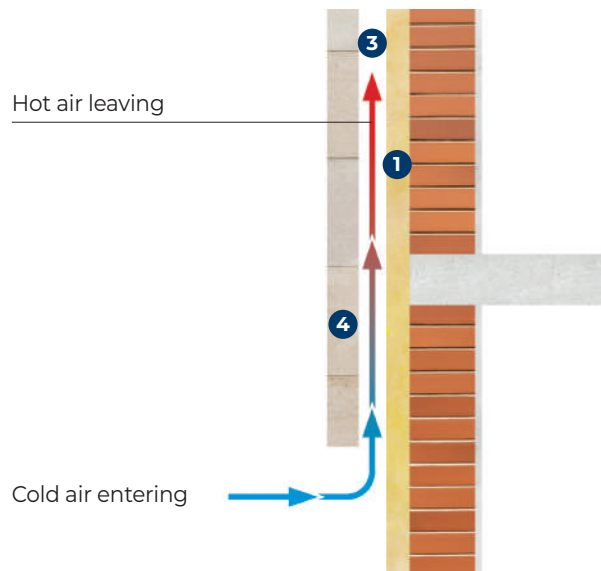
It should always be assembled outwards, starting with the inner skin and then the subsequent surrounding layers. This is the only way to ensure that the outer skin is fixed properly to the inner skin, that the insulation material is effectively attached to the inner skin and that the work has the desired design when viewed from outside.



View of the metal anchor in a concealed position



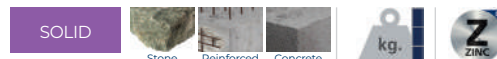
- 1 **Insulation material attached to the curtain wall that is to be covered.** The most widely used insulation materials are sprayed polyurethane and expanded polystyrene. It is important that thermal bridges do not occur on the structure of the columns, so the insulation should pass behind these, towards a point-supported anchoring system on the facade.
- 2 **Substructure composed of supporting and adjustable profiles** fitted to the outside perimeter of the building, upon which the outer covering is fixed.
- 3 **Air chamber between the insulation material and the exterior finish material.** Fully open at several points (at least 3 cm thick and no more than 10 cm, depending on the thickness requirements of the chamber established according to the level of resistance to filtration provided by the water penetration barrier, as outlined in B3 of the DB HS1 of the Spanish Technical Building Code (CTE)).
- 4 **Exterior finish which remains separate from the curtain wall.** The outer skin should not have a rigid connection with the building it is covering and it must be built with the necessary joints to ensure that it can freely deform without cracking.



# MTH Through bolt anchor for heavy loads

## MTH

Option 7 ETA Assessed. Zinc-plated shaft. Zinc-plated clip



CODE	SIZE	MAX. FIXTURE THICKNESS	AXIS LETTER (LENGTH)		
AH06060	M6 x 60 Ø6	2	B	200	1.200
AH06070	M6 x 70 Ø6	12	C	200	1.200
AH06080	M6 x 80 Ø6	22	D	200	1.200
AH06090	M6 x 90 Ø6	32	E	200	1.200
AH06100	M6 x 100 Ø6	42	E	200	800
AH06110	M6 x 110 Ø6	52	F	200	800
AH06120	M6 x 120 Ø6	62	G	100	600
AH06130	M6 x 130 Ø6	72	H	100	600
AH06140	M6 x 140 Ø6	82	I	100	400
AH06150	M6 x 150 Ø6	92	I	100	400
AH06160	M6 x 160 Ø6	102	J	100	400
AH06170	M6 x 170 Ø6	112	K	100	400
AH06180	M6 x 180 Ø6	122	L	100	200
AH08060	M8 x 60 Ø8	3	B	100	600
AH08075	M8 x 75 Ø8	5	C	100	600
AH08090	M8 x 90 Ø8	20	E	100	600
AH08100	M8 x 100 Ø8	30	E	100	400
AH08115	M8 x 115 Ø8	45	G	100	400
AH08120	M8 x 120 Ø8	50	G	100	400
AH08130	M8 x 130 Ø8	60	H	100	400
AH08155	M8 x 155 Ø8	85	J	100	200
AH10070	M10 x 70 Ø10	3	C	100	400
AH10080	M10 x 80 Ø10	13	D	100	400
AH10090	M10 x 90 Ø10	10	E	100	400
AH10100	M10 x 100 Ø10	20	E	100	400
AH10120	M10 x 120 Ø10	40	G	50	300
AH10140	M10 x 140 Ø10	60	H	50	200
AH10150	M10 x 150 Ø10	70	I	50	200
AH10160	M10 x 160 Ø10	80	J	50	200
AH10170	M10 x 170 Ø10	90	K	50	200
AH10210	M10 x 210 Ø10	130	N	50	150
AH10230	M10 x 230 Ø10	150	P	50	100
AH12090	M12 x 90 Ø12	13	E	50	200
AH12100	M12 x 100 Ø12	8	E	50	200
AH12110	M12 x 110 Ø12	18	F	50	200
AH12120	M12 x 120 Ø12	28	G	50	200
AH12130	M12 x 130 Ø12	38	H	50	200
AH12140	M12 x 140 Ø12	48	H	50	200
AH12160	M12 x 160 Ø12	68	J	50	100
AH12180	M12 x 180 Ø12	88	L	50	150
AH12200	M12 x 200 Ø12	108	M	50	100
AH12220	M12 x 220 Ø12	128	O	50	100
AH12250	M12 x 250 Ø12	158	Q	25	50
AH14120	M14 x 120 Ø14	12	G	25	100
AH14145	M14 x 145 Ø14	37	I	25	100
AH14170	M14 x 170 Ø14	62	K	25	100
AH14220	M14 x 220 Ø14	112	O	25	75
AH14250	M14 x 250 Ø14	142	Q	25	50
AH16125	M16 x 125 Ø16	3	G	25	100
AH16145	M16 x 145 Ø16	23	I	25	100
AH16170	M16 x 170 Ø16	48	K	25	50
AH16220	M16 x 220 Ø16	98	O	25	50
AH16250	M16 x 250 Ø16	128	Q	25	50
AH16280	M16 x 280 Ø16	158	S	25	50
AH20170	M20 x 170 Ø20	23	K	20	40
AH20220	M20 x 220 Ø20	73	O	20	40
AH20270	M20 x 270 Ø20	123	S	20	40

• Non-assessed sizes for Fire Resistance



### EXAMPLES OF USES



Through bolt anchor for heavy loads

MTH

STAINLESS STEEL



CODE	SIZE	MAX. FIXTURE THICKNESS	AXIS LETTER (LENGTH)		
• M106045	M6 x 45 Ø6	1	A	200	1.200
• M106060	M6 x 60 Ø6	2	B	200	1.200
• M106080	M6 x 80 Ø6	22	D	200	1.200
• M106120	M6 x 120 Ø6	62	G	100	600
• M106140	M6 x 140 Ø6	82	I	100	600
• M106160	M6 x 160 Ø6	102	J	100	400
• M106170	NEW M6 x 170 Ø6	112	K	100	400
• M106180	NEW M6 x 180 Ø6	112	L	100	300
• M108050	M8 x 50 Ø8	4	A	100	800
M108075	M8 x 75 Ø8	5	C	100	600
M108090	M8 x 90 Ø8	20	E	100	600
M108115	M8 x 115 Ø8	45	G	100	400
M110070	M10 x 70 Ø10	3	C	100	400
M110090	M10 x 90 Ø10	10	D	100	400
M110120	M10 x 120 Ø10	40	G	50	300
M110150	M10 x 150 Ø10	70	I	50	200
• M112075	M12 x 75 Ø12	5	C	50	300
M112090	M12 x 90 Ø12	13	D	50	200
M112110	M12 x 110 Ø12	18	F	50	200
M112140	M12 x 140 Ø12	48	I	50	200
• M116090	M16 x 90 Ø16	4	D	25	150
M116145	M16 x 145 Ø16	23	I	25	100
M116170	M16 x 170 Ø16	48	K	25	75
• M120120	M20 x 120 Ø20	5	G	20	40
M120170	M20 x 170 Ø20	23	K	20	40
M120220	M20 x 220 Ø20	73	O	20	40

- Non-assessed sizes
- Non-assessed sizes for Fire Resistance

STAINLESS STEEL



CODE	SIZE	MAX. FIXTURE THICKNESS	AXIS LETTER (LENGTH)		
• MIA406045	M6 x 45 Ø6	1	A	200	1.200
• MIA406060	M6 x 60 Ø6	2	B	200	1.200
• MIA406080	M6 x 80 Ø6	22	D	200	1.200
• MIA408050	M8 x 50 Ø8	4	A	100	800
MIA408075	M8 x 75 Ø8	5	C	100	600
MIA408090	M8 x 90 Ø8	20	E	100	600
MIA408115	M8 x 115 Ø8	45	G	100	400
MIA410070	M10 x 70 Ø10	3	C	100	400
MIA410090	M10 x 90 Ø10	10	D	100	400
MIA410120	M10 x 120 Ø10	40	G	50	300
MIA410150	M10 x 150 Ø10	70	I	50	200
• MIA412075	M12 x 75 Ø12	5	C	50	300
MIA412090	M12 x 90 Ø12	13	D	50	200
MIA412110	M12 x 110 Ø12	12	F	50	200
MIA412140	M12 x 140 Ø12	42	I	50	200
• MIA416090	M16 x 90 Ø16	4	D	25	150
MIA416145	M16 x 145 Ø16	23	I	25	100
MIA416170	M16 x 170 Ø16	48	K	25	75
• MIA420120	M20 x 120 Ø20	5	G	20	40
MIA420170	M20 x 170 Ø20	23	K	20	40
MIA420220	M20 x 220 Ø20	73	O	20	40

- Non-assessed sizes
- Non-assessed sizes for Fire Resistance

MTH-A2

Option 7 ETA Assessed. A2 Stainless steel . A2 Stainless clip



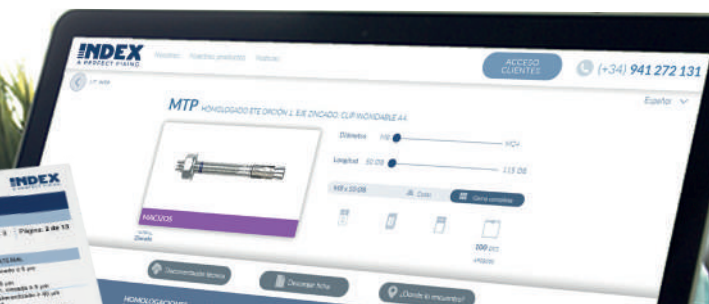
MTH-A4

Option 7 ETA Assessed. A4 Stainless steel. A4 Stainless clip



TECHNICAL DATA SHEETS AVAILABLE ON WEBSITE

- 1- SELECT PRODUCT
- 2- GO TO TECHNICAL DOCUMENTATION
- 3- SELECT "TECHNICAL DATA SHEET" PDF



www.indexfix.com

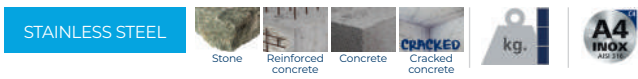


# MTP

Through bolt anchor for heavy loads

## MTP-A4

Option 1 ETA Assessed  
Zinc-plated shaft. A4 Stainless clip



CODE	SEISMIC ASSESSMENT	SIZE	MAX. FIXTURE THICKNESS	AXIX LETTER (LENGTH)		
APA408068	C1	M8 x 68 Ø8	4	A	100	600
APA408075	C1	M8 x 75 Ø8	10	B	100	600
APA408090	C1	M8 x 90 Ø8	25	C	100	600
APA408115	C1	M8 x 115 Ø8	50	D	100	400
APA408135	C1	M8 x 135 Ø8	70	E	50	300
APA408165	C1	M8 x 165 Ø8	100	G	50	200
APA410090	C1&C2	M10 x 90 Ø10	10	A	100	400
APA410105	C1&C2	M10 x 105 Ø10	25	B	50	300
APA410115	C1&C2	M10 x 115 Ø10	35	C	50	300
APA410135	C1&C2	M10 x 135 Ø10	55	D	50	300
APA410155	C1&C2	M10 x 155 Ø10	75	E	50	300
APA410185	C1&C2	M10 x 185 Ø10	105	F	50	100
APA412110	C1&C2	M12 x 110 Ø12	10	A	50	200
APA412120	C1&C2	M12 x 120 Ø12	20	B	50	200
APA412145	C1&C2	M12 x 145 Ø12	45	C	50	200
APA412170	C1&C2	M12 x 170 Ø12	70	D	50	100
APA412200	C1&C2	M12 x 200 Ø12	100	E	50	100
APA416130	C1&C2	M16 x 130 Ø16	10	A	50	100
APA416150	C1&C2	M16 x 150 Ø16	30	B	25	100
APA416185	C1&C2	M16 x 185 Ø16	60	C	25	50
APA416220	C1&C2	M16 x 220 Ø16	100	D	20	40

# T4S

4-way expansion plug for all materials

## TN4S

4-way expansion plug



CODE	SIZE	SCREW SIZE (Ø   L)	MIN. ORDER QTY.		
TN4S05	5 x 25 Ø5	Ø2,5 - Ø4   L: 30 mm	400	100	4.200
TN4S06	6 x 30 Ø6	Ø3,5 - Ø4,5   L: 40 mm	400	100	3.200
TN4S08	8 x 40 Ø8	Ø4,5 - Ø6   L: 50 mm	400	100	1.600
TN4S10	10 x 50 Ø10	Ø6 - Ø8   L: 60 mm	200	50	800
TN4S12	12 x 60 Ø12	Ø8 - Ø10   L: 70 mm	50	25	400
TN4S14	14 x 70 Ø14	Ø10 - Ø12   L: 80 mm	40	20	320

# AIS

Fixing plug for insulation panels

## AIS

Plug



CODE	SIZE	Ø WASHER		
AIS08080	8 x 80 Ø8	35	100	200
AIS08100	8 x 100 Ø8	35	100	-
AIS08120	8 x 120 Ø8	35	100	-
AIS08140	8 x 140 Ø8	35	100	-

## AIS-C

Plug with nail



CODE	SIZE	Ø WASHER	
AISC10070	10 x 70 Ø10	52	100
AISC10090	10 x 90 Ø10	52	100
AISC10110	10 x 110 Ø10	52	100
AISC10130	10 x 130 Ø10	52	100



# T-NUX

UNIVERSAL  
HIGH PERFORMANCE  
NYLON PLUG



RANGE					
PRODUCT	PHOTO	HEAD	ASSESSMENT	BASE MATERIALS	
T-NUX E		HEXAGONAL WASHER HEAD			
T-NUX A		COUNTERSUNK HEAD			
T-NUX T		TAMPER-PROOF TRUSS HEAD			
T-NUX E A4		STAINLESS STEEL A4. HEXAGONAL WASHER HEAD			
T-NUX A A4		STAINLESS STEEL A4. COUNTERSUNK HEAD			
T-FUX E		CYLINDRICAL HEAD WALL PLUG HEXAGONAL CAP SCREW			
T-NUX					

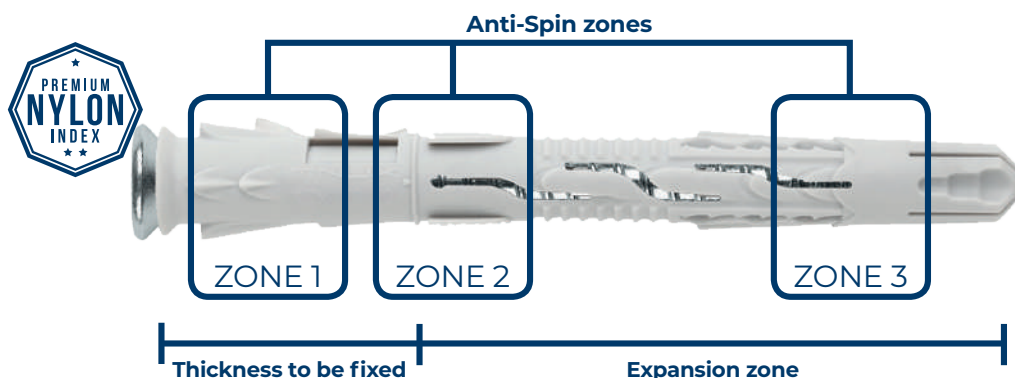
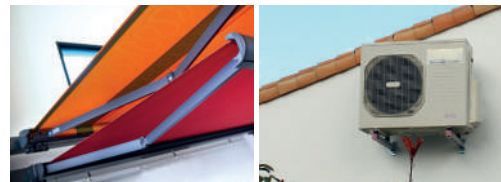
## CHARACTERISTICS

- Nylon plug with screw for heavy duty fixings.
- Quick fixing, assembly through material to be fixed, installed by hammering nylon plug and later threading screw.
- Wide range of lengths and thickness to fix.
- Multimaterial. Suitable for unknown places in the base material.
- Anchor with high mechanical resistance values.
- European approval, DITE-13/0754, for use in concrete, aerated concrete, solid brick, hollow brick and concrete blocks. brick y bloque de Concrete.

## ASSESSMENTS

- Façade rehabilitation.
- Ventilated façades.
- Installation of air conditioning equipment.
- Door and window frames.
- Garage doors.
- Railings.

## USES



# T-NUX Universal high performance nylon plug

## T-NUX

Nylon plug

MULTI-MATERIAL



CODE	SIZE		
TNUX08060	8 x 60	50	800
TNUX08080	8 x 80	50	600
TNUX08100	8 x 100	50	600
TNUX08120	8 x 120	50	600
TNUX10060	10 x 60	50	600
TNUX10080	10 x 80	50	600
TNUX10100	10 x 100	50	600
TNUX10120	10 x 120	50	600
TNUX10140	10 x 140	50	300

## T-NUX A A4

A4 Stainless steel. Countersunk head. ETA Assessed

STAINLESS STEEL



CODE	SIZE		MAX. FIXTURE THICKNESS		
TNXA408080	8 x 80 Ø8	TX30	10	50	600
TNXA408100	8 x 100 Ø8	TX30	30	50	600
TNXA408120	8 x 120 Ø8	TX30	50	50	300
TNXA410080	10 x 80 Ø10	TX40	10	50	300
TNXA410100	10 x 100 Ø10	TX40	30	50	300
TNXA410120	10 x 120 Ø10	TX40	50	50	300
TNXA410140	10 x 140 Ø10	TX40	70	50	300



## T-NUX E A4

A4 Stainless steel. Hexagonal head. ETA Assessed

STAINLESS STEEL



CODE	SIZE			MAX. FIXTURE THICKNESS		
TNXE408080	8 x 80 Ø8	TX30	H10	10	50	600
TNXE408100	8 x 100 Ø8	TX30	H10	30	50	300
TNXE410080	10 x 80 Ø10	TX40	H13	10	50	300
TNXE410100	10 x 100 Ø10	TX40	H13	30	50	300
TNXE410120	10 x 120 Ø10	TX40	H13	50	50	300
TNXE410140	10 x 140 Ø10	TX40	H13	70	50	200



## T-FUX E

Cylindrical head wall plug. Hexagonal head screw. Zinc plated. ETA Assessed.

MULTI-MATERIAL



CODE	SIZE		MAX. FIXTURE THICKNESS		
TFUXE10080	10 x 80 Ø10	TX40	10	50	300
TFUXE10100	10 x 100 Ø10	TX40	30	50	200
TFUXE10120	10 x 120 Ø10	TX40	50	50	200



Available in different coatings. Ask for price and delivery time.

Universal high performance nylon plug

# T-NUX

MULTI-MATERIAL



CODE	SIZE		MAX. FIXTURE THICKNESS		
• TNUXA08060	8 x 60 Ø8	TX30	-	50	600
TNUXA08080	8 x 80 Ø8	TX30	10	50	600
TNUXA08100	8 x 100 Ø8	TX30	30	50	600
TNUXA08120	8 x 120 Ø8	TX30	50	50	300
• TNUXA10060	10 x 60 Ø10	TX40	-	50	300
TNUXA10080	10 x 80 Ø10	TX40	10	50	300
TNUXA10100	10 x 100 Ø10	TX40	30	50	300
TNUXA10120	10 x 120 Ø10	TX40	50	50	300
TNUXA10140	10 x 140 Ø10	TX40	70	50	300
TNUXA10160	10 x 160 Ø10	TX40	90	50	200
TNUXA10180	10 x 180 Ø10	TX40	110	50	150
TNUXA10200	10 x 200 Ø10	TX40	130	50	150
TNUXA10230	10 x 230 Ø10	TX40	160	50	100

• Non-assessed sizes

MULTI-MATERIAL



CODE	SIZE			MAX. FIXTURE THICKNESS		
• TNUXE08060	8 x 60 Ø8	TX30	H10	-	50	600
TNUXE08080	8 x 80 Ø8	TX30	H10	10	50	600
TNUXE08100	8 x 100 Ø8	TX30	H10	30	50	300
TNUXE08120	8 x 120 Ø8	TX30	H10	50	50	300
• TNUXE10060	10 x 60 Ø10	TX40	H13	-	50	300
TNUXE10080	10 x 80 Ø10	TX40	H13	10	50	300
TNUXE10100	10 x 100 Ø10	TX40	H13	30	50	300
TNUXE10120	10 x 120 Ø10	TX40	H13	50	50	300
TNUXE10140	10 x 140 Ø10	TX40	H13	70	50	200
TNUXE10160	10 x 160 Ø10	TX40	H13	90	50	150
TNUXE10180	10 x 180 Ø10	TX40	H13	110	50	150
TNUXE10200	10 x 200 Ø10	TX40	H13	130	50	150
TNUXE10230	10 x 230 Ø10	TX40	H13	160	50	100

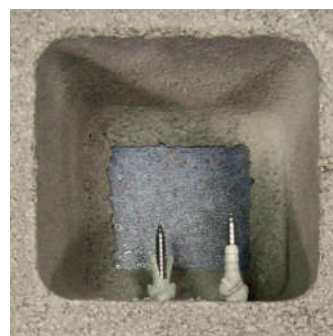
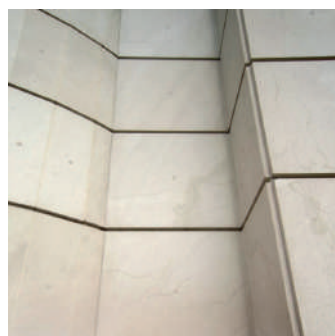
• Non-assessed sizes

MULTI-MATERIAL



CODE	SIZE		MAX. FIXTURE THICKNESS		
TNUXT10080	10 x 80 Ø10	TX40	10	50	300
TNUXT10100	10 x 100 Ø10	TX40	30	50	300
TNUXT10120	10 x 120 Ø10	TX40	50	50	200
TNUXT10140	10 x 140 Ø10	TX40	70	50	200
TNUXT10160	10 x 160 Ø10	TX40	90	50	200

EXAMPLES OF USES



## T-NUX A

Countersunk head. Zinc plated  
ETA Assessed



Available in different coatings.  
Ask for price and delivery time.

## T-NUX E

Hexagonal head. Zinc plated  
ETA Assessed



Available in different coatings.  
Ask for price and delivery time.

## T-NUX T

Tamperproof Truss Head. Zinc plated  
ETA Assessed



Available in different coatings.  
Ask for price and delivery time.

# MO Chemical anchors

## MO-P+

Polyester PLUS.  
Option 7 ETA  
Assessed

**NEW**



**CHEMICAL**

CODE	SIZE	
MOP300	300 ml	12
MOP410	410 ml	12

## CHARACTERISTICS

Assessed for all types of concrete, non-cracked, and all concrete applications. Valid for hollow and solid masonry.

Assessed studs from M8 to M24.

Use for medium-high loads.

Valid for dry, wet and flooded holes.

Use for static or quasi-static loads.

Versions in zinc plated steel and stainless steel A2 and A4.

Temperature range: from -40°C to +80°C (long term maximum temperature +50°C).

## APPLICATIONS

- Use in indoor and outdoor environments.
- Structural applications.
- For fixing stone cladding.
- Rehabilitation of facades.
- For fixing notices, air conditioning supports, boilers, awnings, signs, balconies, shelving units, railings, etc.

## MO-PS+

Polyester PLUS  
styrene free with  
Working time indicator  
Option 7 ETA  
Assessed

**NEW**



**CHEMICAL**

CODE	SIZE	
MOPS300	300 ml	12
MOPS410	410 ml	12
MOPS300EP*	300 ml - KIT	12



- \* Content MO-PS KIT (MOPS300EP):
- Cartridge MOPS300 (300 ml) - x1
  - Nozzle MORCANU - x2
  - Stud bolt MOES08110 (M8 x 110 Ø8) - x4
  - Plastic sleeve MOTN15085 (15 x 85) - x4

## CHARACTERISTICS

Assessed for all types of concrete, non-cracked, masonry and all concrete applications.

Assessed studs from M8 to M24.

Use for medium-high loads.

Styrene free.

Valid for dry, wet and flooded holes.

Use for static or quasi-static loads.

Versions in zinc plated steel and stainless steel A2 and A4.

Temperature range: from -40°C to +80°C (long term maximum temperature +50°C).

## APPLICATIONS

- Use in indoor and outdoor environments.
- Structural applications.
- Fixing of building substructures.
- Rehabilitation of facades.
- For fixing air conditioning supports, boilers, awnings, garage door frames, signs, balconies, shelving units, railings, handrails, etc.

**MO-H**

Hybrid.  
Option 1 ETA  
Assessed



CHEMICAL	SIZE	kg.
MOH300	300 ml	12
MOH410	410 ml	12



**CHARACTERISTICS**

- Assessed for all types of concrete, cracked and non-cracked, masonry and all concrete applications.
- Certificate of contact with drinking water (WRAS).
- Fire resistance certificate for studs and rebar (IBMB).
- Assessed studs from M8 to M30, even M27.
- Rebar used as stud from Ø8 to Ø32.
- Post-installed rebar Ø8 to Ø25.
- Use for high loads.
- Styrene free.
- Valid for dry, wet and flooded holes.
- Use for static or quasi-static loads.
- Versions in zinc plated steel and stainless steel A2 and A4.
- Temperature range: from -40°C to +80°C (long term maximum temperature +50°C).

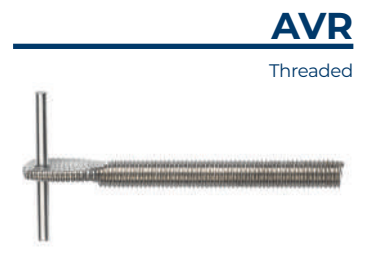
**APPLICATIONS**

- Use in indoor and outdoor environments.
- Structural applications
- Fixing of building substructures.
- Rebar and start rebar.
- For fixing enginery, balconies, awnings, shelving units, billboards, catenaries, safety barriers, railings, handrails, etc.
- Large metric sizes, retaining walls.

Screw anchor for ventilated façades



CODE	SIZE	kg.	kg.
AVR08120	M8 x 120 Ø8	100	600
AVR08150	M8 x 150 Ø8	100	600
AVR10120	M10 x 120 Ø10	100	400
AVR10150	M10 x 150 Ø10	100	200
AVR10180	M10 x 180 Ø10	100	200



CODE	SIZE	kg.	kg.
AVC08120	8 x 120 Ø8	100	600
AVC08150	8 x 150 Ø8	100	600
AVC10120	10 x 120 Ø10	100	400
AVC10150	10 x 150 Ø10	100	200
AVC10180	10 x 180 Ø10	100	200



# DIN-7504-K Self-drilling screw with hexagonal head

## DIN-7504-K A2

Screw. A2 Stainless steel

**STAINLESS STEEL**  



CODE	SIZE			
ABEI4213	4,2 x 13	7	1.000	12.000
ABEI4216	4,2 x 16	7	1.000	8.000
ABEI4219	4,2 x 19	7	1.000	8.000
ABEI4813	4,8 x 13	8	1.000	8.000
ABEI4816	4,8 x 16	8	500	6.000
ABEI4819	4,8 x 19	8	500	6.000
ABEI4825	4,8 x 25	8	500	6.000
ABEI4832	4,8 x 32	8	500	3.000
ABEI5519	5,5 x 19	8	500	6.000
ABEI5522	5,5 x 22	8	500	4.000
ABEI5525	5,5 x 25	8	500	6.000
ABEI6319	6,3 x 19	10	500	3.000
ABEI6325	6,3 x 25	10	500	3.000

### EXAMPLES OF USES



# BCP Extra low head self-drilling screw and PH recess

## BCP A2

A2 Stainless steel. PH recess

**STAINLESS STEEL**    



CODE	SIZE		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
BCPA24214	4,2 x 14	PH2	6	0,70-2,00	500	12.000

Bimetal, stainless-steel, self-drilling screw with hexagonal head

# ABE BIMETAL



CODE	SIZE		DRILL CAPACITY		
BIE4825	4,8 x 25	8	1,75-4,40	500	6.000
BIE5525	5,5 x 25	8	1,75-5,25	500	6.000
BIE5532	5,5 x 32	8	1,75-5,25	500	3.000
BIE5538	5,5 x 38	8	1,75-5,25	500	3.000
BIE5550	5,5 x 50	8	1,75-5,25	500	2.000
BIE5558	5,5 x 58	8	1,75-5,25	250	1.500
BIE5565	5,5 x 65	8	1,75-5,25	250	1.500
BIE5580	5,5 x 80	8	1,75-5,25	250	1.000
BIE6325	6,3 x 25	10	2,50-6,00	500	3.000

## ABE BIMETAL

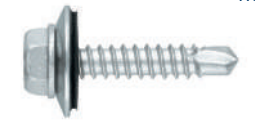
Screw



CODE	SIZE		DRILL CAPACITY		
BIE164825	4,8 x 25 P16	8	1,75-4,40	500	2.000
BIE165525	5,5 x 25 P16	8	1,75-5,25	500	2.000
BIE165532	5,5 x 32 P16	8	1,75-5,25	500	2.000
BIE165538	5,5 x 38 P16	8	1,75-5,25	500	1.500
BIE165550	5,5 x 50 P16	8	1,75-5,25	500	1.500
BIE165558	5,5 x 58 P16	8	1,75-5,25	250	1.500
BIE165565	5,5 x 65 P16	8	1,75-5,25	250	1.500
BIE165580	5,5 x 80 P16	8	1,75-5,25	250	1.000
BIE166325	6,3 x 25 P16	10	2,50-6,00	500	2.000

## ABE BIMETAL + ARVUL

Screw with vulcanized EPDM-steel washer



Bimetal, stainless steel, self-drilling screw for beam with hexagonal head

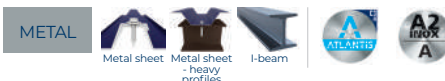
# AUTO BIMETAL



CODE	SIZE		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
BAUTO5540	5,5 x 40	8	10	4,00-12,00	500	3.000
BAUTO5550	5,5 x 50	8	20	4,00-12,00	500	3.000
BAUTO5565	5,5 x 65	8	35	4,00-12,00	250	1.500
BAUTO5580	5,5 x 80	8	50	4,00-12,00	250	1.000
BAUTO5510	5,5 x 100	8	70	4,00-12,00	100	600

## AUTO BIMETAL

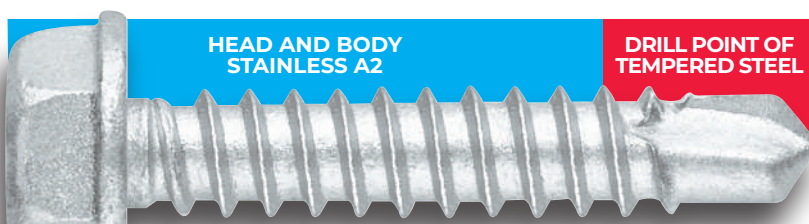
Screw



CODE	SIZE		MAX. FIXTURE THICKNESS	DRILL CAPACITY		
BAUTO165540	5,5 x 40 P16	8	8	4,00-12,00	500	1.500
BAUTO165550	5,5 x 50 P16	8	18	4,00-12,00	500	1.500
BAUTO165565	5,5 x 65 P16	8	33	4,00-12,00	250	1.500
BAUTO165580	5,5 x 80 P16	8	48	4,00-12,00	250	1.000
BAUTO165510	5,5 x 100 P16	8	68	4,00-12,00	100	600

## AUTO BIMETAL + ARVUL

Screw with vulcanized EPDM-steel washer



# BIMETAL

INOX TECHNOLOGY

The benefits of a steel self-drilling screw with the anti-corrosion resistance of a stainless

ATLANTIS C3-H COATING

**FOTECFVEN21**



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