

EJOT® Chemical Anchors

Suitable to anchor threaded rods and rebar
in masonry blocks, cracked and non-cracked concrete

Anchors and Installation Technology

Chemical anchors

EJOT®

EJOT® Injection resin Multifix PSF

Polyester based Injection resin, styrene free

Content [ml]	Composite mortar	PU	Price/1 [EUR]	Order description	Article number
300	Polyester, styrene free			EJOT Multifix PSF 300	9 570 002 300
410	Polyester, styrene free			EJOT Multifix PSF 410	9 570 000 410

Application area

- Suitable for masonry blocks
- Approval for threaded rods in concrete: M8, M10, M12, M16 hollow masonry: M10

Description

Two-component injection chemical anchor based on polyester resin without styrene and low odor.

Characteristics

- For medium loads
- Good durability
- Without styrene, low odor
- Ideal for indoor and outdoor applications
- Suitable for dry, wet and flooded holes in concrete applications
- Fast curing
- Universal purpose
- Suitable also for colder environments

Certification

- ETA-15/0342 for Masonry
- ETA 15/0287 for Concrete Option 7
- VOC classification A+

Handling and Storage

- This product should be stored between + 5 °C and + 25 °C.
- Avoid Direct Sunlight
- The shelf life of the product is 12 months from the manufacture date.

Note

For details/questions please check with technical department. For details please consult valid ETA document as mentioned above.

Working and hardening times

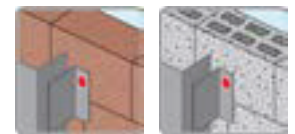
°C	Working time	Setting time	Hardening time
-5	40'	3h	6h
5	20'	1h30'	3h
15	9'	1h	2h
25	5'	30'	1h
35	3'	20'	40'

Full cure 24 hours
All specifications based on supplied mixer



WARNING

Contains: DIBENZOYL PEROXYDE. Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Wash skin thoroughly after handling. Wear protective gloves / protective clothing / eye protection / face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs: Get medical advice. Take off contaminated clothing and wash before reuse.



Approval
ETA-15/0342
ETA 15/0287

Cross reference
Anchor rod
Mesh sleeve
Cleaning brush
Blow-out pump
Applicator gun

Anchors and Installation Technology

Chemical anchors

EJOT®

EJOT® Injection resin Multifix VSF

Vinylester, styrene free

Content [ml]	Composite mortar	PU	Price/1 [EUR]	Order description	Article number
300	Vinylester, styrene free			EJOT Multifix VSF 300	9 571 002 300
410	Vinylester, styrene free			EJOT Multifix VSF 410	9 571 000 410

Application area

- Suitable to anchor threaded rods and rebar in cracked and non-cracked concrete.
- Approval for threaded rods M8, M10, M12, M16, M20, M24
- Approval for rebar Ø 8, 10, 12, 14, 16, 20, 25 mm

Description

Two-component injection chemical anchor based on vinylester resin without styrene and low odor.

Characteristics

- For high and critical loads
- High durability
- Without styrene, low odor
- Ideal for indoor and outdoor applications
- Fast curing
- Dynamic resistance
- Fire rated
- For use with potable water

Certification

- ETA 15/0282 for Concrete Option 1 and Rebar
- VOC classification A+
- BS6920 Approved

Handling and Storage

- This product should be stored between + 5 °C and + 25 °C.
- Avoid Direct Sunlight
- The shelf life of the product is 12 months from the manufacture date.

Note

For details/questions please check with technical department. For details please consult valid ETA document as mentioned above.

Working and hardening times			
Temperature (°C)	Working time	Setting time	Hardening time
-10*	50'	4h	8h
-5	40'	3h	6h
5	20'	1h30'	3h
15	9'	1h	2h
25	5'	30'	1h
35	3'	20'	40'

*Resin temperature must be at least 20 °C
Full cure 24 hours
All specifications based on supplied mixer



WARNING

Contains: DIBENZOYL PEROXIDE; ETHYL-VINYLBENZENE. May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects. Wash skin thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Avoid release to the environment. Wear protective gloves / protective clothing / eye protection / face protection. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF ON SKIN: Wash with plenty of soap and water.



Approval
ETA 15/0282

Cross reference
Anchor rod
Mesh sleeve
Cleaning brush
Blow-out pump
Applicator gun



EJOT® Injection resin Super Epoxy SE 800

Pure Epoxy Injection Mortar

Content [mm]	Composite mortar	PU	Price/1 [EUR]	Order description	Article number
400	Pure epoxy			EJOT Super Epoxy SE 800	9 570 000 400

Application area

- Suitable for stone, rod and rebar connection
- Approval for rebar Ø 8 – Ø 32 mm

Description

Two component injection chemical anchor based on pure epoxy resin for high performance and structural applications.

Characteristics

- For high loads
- No shrinkage
- High chemical and temperature resistance
- Useable with diamond drilled holes
- Dynamic and long term loads resistance
- Fire resistance classification
- Suitable for warmer/hot regions

Certification

- ETA 13/0918
- VOC classification A+

Handling and Storage

- This product should be stored between + 5 °C and + 25 °C.
- Avoid Direct Sunlight
- The shelf life of the product is 24 months from the manufacture date.

Note

For details/questions please check with technical department. For details please consult valid ETA document as mentioned above.

Working and hardening times

Temp (°C)	Working time	Setting time	Hardening time
5	1h	33h	50h
10	50'	24h	36h
20	30'	6h	9h
30	15'	4h	6h
40	8'	3h	4h

Minimum resin temperature for injection: +10 °C
Minimum concrete temperature for injection: +5 °C



DANGER

Contains: BISPHENOL A-(EPICHLORHYDRIN) {REACTION PRODUCT}; P-TERT-BUTYL-PHENOL; 1,3-BENZENEDIMETHANAMINE; 2, 3-EPOXYPROPYL NEODECANOATE. Contains trimethyl hexamethylene diamine. May produce an allergic reaction. Suspected of causing genetic defects. Suspected of damaging fertility or the unborn child. Causes severe skin burns and eye damage. May cause an allergic skin reaction. Toxic to aquatic life with long lasting effects. Do not breathe dust/fumes/gas/mist/vapours/spray. Wear protective gloves/protective clothing/eye protection/face protection. IF SWALLOWED: rinse mouth. Do NOT induce vomiting. IF ON SKIN: Wash with plenty of soap and water. IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.



Approval

ETA-13/0918

Cross reference

Anchor rod
Mesh sleeve
Cleaning brush
Blow-out pump
Applicator gun



Anchor rod AST

approved for polyester and vinyl ester composite mortar

Thread	Length [mm]	min. embedment depth in concrete [mm]	min. embedment depth in solid brick [mm]	Drill hole diameter Concrete/solid brick [mm]	PU	Price/100 [EUR]	Order description	Article number
Zinc-plated steel								
M8	110	60	80	10	10		AST M8x110-V	9 570 098 110
M10	130	70	85	12	10		AST M10x130-V	9 570 910 130
M12	160	80	95	14	10		AST M12x160-V	9 570 912 160
M16	190	100	-	18	10		AST M16x190-V*	9 570 916 190
A4 stainless steel								
M8	110	60	80	10	10		AST M8x110-E	9 571 098 110
M10	130	70	85	12	10		AST M10x130-E	9 571 910 130
M12	160	80	95	14	10		AST M12x160-E	9 571 912 160
M16	190	100	-	18	10		AST M16x190-E*	9 571 916 190



*No approval for embedment in solid brick masonry
Order information: Further lengths and threads upon request.

Application area

- For embedment in concrete and solid brick
- For installation in perforated brick in connection with mesh sleeve

Properties AST steel

- Anchor rod: strength grade 5.8 or 6.8 acc. to EN ISO 898-1
- Nut: strength grade 5 or 6 acc. to EN 20898-2
- Washer: acc. to EN ISO 7089

Properties AST stainless steel A4

(1.4401 / 1.4571)

- Anchor rod: EN 10088; strength grade 70 (A4-70) acc. to EN ISO 3506
- Nut: EN 10088; strength grade 70 (A4-70) acc. to EN ISO 3506
- Washer: acc. to EN 10088

Note

To determine the characteristic load-carrying capacity in concrete the approvals **ETA-15/0287** and **ETA-15/0282** have to be considered. To determine the characteristic load-carrying capacity in masonry the approval **ETA-15/0342** has to be considered.

Sleeves

Drill-hole diameter [mm]	Hole depth $t \leq$ mm	for threaded rod	PU	Price/10 [EUR]	Order description	Article number
12	55	M8	10		Sleeve 12x50	9 570 012 050
12	85	M8	10		Sleeve 12x80	9 570 012 080
16	90	M10	10		Sleeve 16x85	9 570 016 085
16	135	M10	10		Sleeve 16x130	9 570 016 130
20	90	M12	10		Sleeve 20x85	9 570 020 085

Application area

- Indispensable for hollow masonry applications.

Note

For approved combinations **ETA-15/0342** has to be considered.

Characteristics

- Once the resin has been injected, the cap holds the fixing centered.



Applicator Gun

Order description	PU	Price/1 [EUR]	Article number
Applicator Gun 300 ml	1		9 570 010 300
Applicator Gun 400 ml (SE 800)	1		9 570 010 400
Applicator Gun 410 ml	1		9 570 001 410



Cleaning brush

Order description	for drill-hole diameter [mm]	PU	Price/1 [EUR]	Article number
Cleaning brush 8	8	1		9 150 300 008
Cleaning brush 10	10	1		9 150 300 010
Cleaning brush 12	12	1		9 150 300 012
Cleaning brush 14	14	1		9 150 300 014
Cleaning brush 16	16	1		9 150 300 016
Cleaning brush 18	18	1		9 150 300 018
Cleaning brush 20	20	1		9 150 300 020



Application area

- For cleaning the drill hole in concrete and masonry

Advantages:

- Easy handling
- High cleaning effect
- Robust design

EJOT® blow-out pump

Order description	PU	Price/1 [EUR]	Article number
Blow-out pump	1		9 150 300 000

Application Range

- For cleaning drill holes in concrete and solid brick masonry

Advantages:

- Easy handling
- High cleaning effect
- All-purpose

