

TECHNICAL DATA SHEET n°2011



Manufacturer: **ETANCO** (FRANCE)

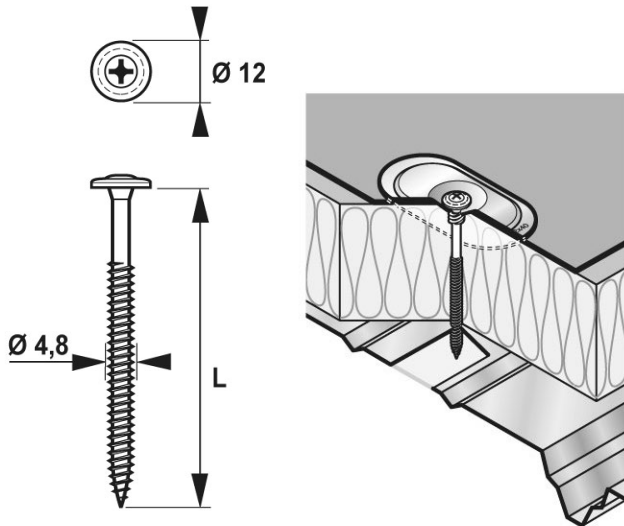
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Fasteners for systems of mechanically fastened flexible roof waterproofing membranes

Product name:

EVF 0,8 / ZBJ or 2C or 3C Ø 4,8 mm



Description:

Self-tapping screws Ø 4.8 mm
Flat head Ø 12 mm - No. 2 Phillips Imprint
Pitch 1.59 mm - drill Pointe

Drilling capacity CP: 0.8 mm steel sheet

Lengths and tightening thickness (mm):

L (mm)	Th. mini	Th. maxi
20 *	-	-
20	-	-
32	-	10
40	-	20
50	-	30
55	15	35

(*) Without cone under head

Application Sealing:

system with fixing insulation



on steel deck



wood screws (2c and 3c only)

Material, coating and corrosion resistance according to NF EN 3231 (2I):

- **ZBJ** : Yellow zinged cemented carbon steel
(2 KESTERNICH cycles)
Compliance: Class 1 UEAtc
- **2C** : **SUPRACOAT 2C** coated cemented steel
(15 KESTERNICH cycles)
Compliance: ETAG 006 and Class 2 UEAtc
- **3C** : **SUPRACOAT 3C** coated cemented steel
(30 KESTERNICH cycles)
Compliance: ETAG 006 and Class 2 UEAtc



ETA n° 08/0239 issued by the CSTB

(see next page hitch concerned)

Pull-out failure of the system on steel:

- PK according to NF P 30-313

S320 GD support sheet 0.7 mm thick
PK = 152 daN
Wood CTBH th. 18 mm
PK = 150 daN



Pull-out failure of the system on wood:

Wood class C24 Th. 20 mm implantation 18 mm
PK = 149 daN

Recommended tool:

Screwdriver FEIN SCS 4.8-25 power consumption 400 W min with torque limiter (depth stop)
Drive bit: Philips n°2

Labelling:

On product: LR
On Packaging: EVF / ZBJ or 2C or 3C – Ø 4,8 x L + code

Quality control:

ISO 9001 : 2015

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Mounting fasteners for mechanically mounted roofing systems



Washer / Plate	Code	Characteristics	Corrosion Kesternich	ETA	Labelling on packaging	Safe for walking	Resistance to unwinding
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Washer 70 mm diameter

	294926	Material: Steel coated Aluzinc AZ150 Thickness: 10 / 10th mm Hole Ø 4.5 mm Bowl depth: 7.0 mm	15 Kesternich cycles	No	70P Washer matter Thickness Ø hole code		
	294721	Material: Galvanized steel Thickness: 08 / 10th mm Hole Ø 4.5 mm Bowl depth: 6.0 mm	2 Kesternich cycles	No	70P Washer matter Thickness Ø hole code		

Plate 64 x 64 mm

	294685	Material: Galvanized steel Thickness: 08 / 10th mm Hole Ø 4.7 mm Bowl depth: 3.7 mm	2 Kesternich cycles	No	Plate 64x64 matter Thickness Ø hole code		
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Safe for walking, to standard NF P 30-317

Unscrew resistance (to ETAG 006 and standard NF P 30-315): 500 cycles before quarter turn rotation and 900 cycles before half turn rotation

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Mounting fasteners for mechanically mounted roofing systems



Washer / Plate	Code	Characteristics	Corrosion Kesternich	ETA	Labelling on packaging	Safe for walking	Resistance to unwinding
Plate 82 x 40 R mm							
	294712	Material: Steel coated Aluzinc AZ150 Thickness: 10 / 10th mm Hole Ø 5 mm Bowl depth: 4.5 mm	15 Kesternich cycles	with 2C fasteners on solid steel or wood	82x40R plate matter Thickness Ø hole code		
	294701	Material: Steel coated Aluzinc AZ150 Thickness: 10 / 10th mm Hole Ø 6.4 mm Bowl depth: 0 mm	15 Kesternich cycles	with 2C fasteners on solid steel or wood	82x40R plate matter Thickness Ø hole code	No	NA

Safe for walking, to standard NF P 30-317

Unscrew resistance (to ETAG 006 and standard NF P 30-315): 500 cycles before quarter turn rotation and 900 cycles before half turn rotation

NA: Not available

TECHNICAL DATA SHEET n°2011 EVF 0,8 / ZBJ or 2C or 3C Ø 4,8 mm

Mounting fasteners for mechanically mounted roofing systems



Washer / Plate	Code	Characteristics	Corrosion Kesternich	ETA	Labelling on packaging	Safe for walking	Resistance to unwinding
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Plate 40 x 40 mm

	294780	Material: Steel coated Aluzinc AZ150 Thickness: 8 / 10th mm Hole Ø 4.5 mm Bowl depth: 2.2 mm	15 Kesternich cycles	with 2C fasteners on solid steel or wood	Plate 40x40 matter Thickness Ø hole code		
	294680	Material: Galvanized steel Thickness: 08 / 10th mm Hole Ø 4.5 mm Bowl depth: 2.2 mm	2 Kesternich cycles	No	Plate 40x40 matter Thickness Ø hole code		

Washer, 40 mm diameter

	603491	Material: Steel coated Aluzinc AZ150 Thickness: 08 / 10th mm Hole Ø 4.5 mm Bowl depth: 2.4 mm	15 Kesternich cycles	with 2C fasteners on solid steel or wood	Ø40N Washer matter Thickness Ø hole code		
	603481	Material: Galvanized steel Thickness: 08 / 10th mm Hole Ø 4.5 mm Bowl depth: 2.4 mm	2 Kesternich cycles	No	Ø40N Washer matter Thickness Ø hole code		

Safe for walking, to standard NF P 30-317

Unscrew resistance (to ETAG 006 and standard NF P 30-315): 500 cycles before quarter turn rotation and 900 cycles before half turn rotation