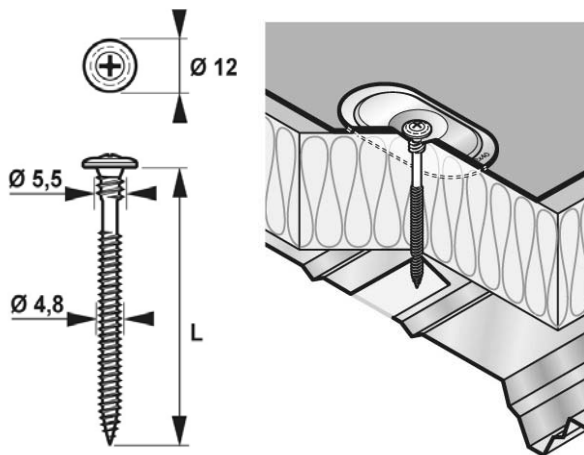


Manufacturer: ETANCO (FRANCE)
 Parc les Erables – Bât 1 – 66 route de Sartrouville – BP 49 – 78231 LE PECQ Cedex
 Tel. : +33 (0)1 34 80 52 00 – Fax : +33 (0)1 30 71 01 89

Mounting fastener for mechanically fixed waterproof system

Product name:

EVDF 0,8 / ZBJ or 2C or 3C Ø 4,8 mm



Description

Self-drilling screws double thread Ø 4.8 mm
 Flat head Ø 12 mm - Phillips recess n°2
 Pitch 1.59 mm - Drill point

Drilling capacity CP: 0.8 mm steel sheet

Length and thickness to clamping (mm):

| L | L. thread | Thickness mini | Thickness maxi |
|-----|-----------|----------------|----------------|
| 65 | 50 | 25 | 45 |
| 75 | 50 | 35 | 55 |
| 80 | 50 | 40 | 60 |
| 90 | 50 | 50 | 70 |
| 100 | 50 | 60 | 80 |
| 110 | 70 | 50 | 90 |
| 120 | 70 | 60 | 100 |
| 130 | 70 | 70 | 110 |
| 140 | 70 | 80 | 120 |
| 150 | 70 | 90 | 130 |
| 60 | 70 | 100 | 140 |
| 180 | 70 | 120 | 160 |
| 200 | 70 | 140 | 180 |
| 220 | 70 | 160 | 200 |
| 240 | 70 | 180 | 220 |
| 260 | 70 | 200 | 240 |

Application

Fastening insulation and waterproofing on:



steel sheet



wood (2C and 3C screws only)

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

- **ZBJ:** Hardened steel yellow zinc plated
 (2 KESTERNICH cycles)
 Accordance: Class 1 UEAtc



ETA No. 08/0239 provided by the CSTB
 (see next page hitch concerned)

- **2C:** hardened steel treated **SUPRACOAT 2C**
 (15 KESTERNICH cycles)
 Accordance: ETAG 006 and Class 2 UEAtc

- **3C:** hardened steel treated **SUPRACOAT 3C**
 (30 KESTERNICH cycles)
 Accordance: ETAG 006 and Class 2 UEAtc

Characteristic resistances assembly for fastening

- **PK according to NF P 30-313**

support sheet S320 GD 0.7 mm thickness

PK = 152 daN

Wood CTBH. 18 mm thickness

PK = 150 daN



- **PK according to ETAG 006 (2000) and 3563 e.cahier**

support sheet S320 GD 0.7 mm thickness

PK = 190 daN



Recommended tools:

- Screwdriver FEIN SCS 4.8 -25 power of 400 W mini with torque limiter (depth stop)
- Bit holder and screw bit – Phillips n°2 recess

Marking - Labelling:

On product: LR

On packaging:

EVDF / ZBJ or 2C or 3C – Ø 4.8 x L + code

Quality control: ISO 9001: 2015

FICHE TECHNIQUE n°2001 EVDF 0,8 / ZBJ or 2C or 3C Ø 4,8 mm

Mounting fastener for mechanically fixed waterproof system



| Washer / Plate | Code | Specifications | Corrosion resistance | ETA | Label on packaging | Walk Resistant | Unscrewing Resistant |
|----------------|------|----------------|----------------------|-----|--------------------|----------------|----------------------|
|----------------|------|----------------|----------------------|-----|--------------------|----------------|----------------------|

Washer diameter: 70 mm

| | | | | | | | |
|--|---------|--|----------------------------|----|---|--|--|
| | 294 926 | Material: Alu/Zinc alloy AZ 150 Thickness: 10 / 10 th mm Hole Ø 4.5 mm Bugle depth: 7.0 mm | 15 Kesternich cycles | No | 70P Washer Material Thickness Ø hole code | | |
| | 294 721 | Material: Galvanized steel Thickness: 08 / 10 th mm Hole Ø 4.5 mm Bugle depth: 6.0 mm | 2 Kesternich cycles | No | 70P Washer Material Thickness Ø hole code | | |

Plate 64 x 64 mm

| | | | | | | | |
|--|---------|---|---------------------------|----|--|--|--|
| | 294 685 | Material: Galvanized steel Thickness: 08 / 10 th mm Hole Ø 4.7 mm Bugle depth: 3.7 mm | 2 Kesternich cycles | No | Plate 64x64 Material Thickness Ø hole code | | |
|--|---------|---|---------------------------|----|--|--|--|

Walk Resistant: In compliance with NF P 30-317

Unscrewing Resistant (According to ETAG 006 and NF P 30-315): 500 cycles before rotation of 1/4 of a turn and 900 cycles before rotation of 1/2 of a turn

FICHE TECHNIQUE n°2001 EVDF 0,8 / ZBJ or 2C or 3C Ø 4,8 mm

Mounting fastener for mechanically fixed waterproof system



| Washer / Plate | Code | Specifications | Corrosion resistance | ETA | Label on packaging | Walk resistant | Unscrewing resistant |
|---------------------------|---------|--|----------------------|--|---|----------------|----------------------|
| Plate 82 x 40 R mm | | | | | | | |
| | 294 712 | Material: Alu/Zinc alloy AZ 150 Thickness: 10 / 10 th mm Hole Ø 5 mm Bugle depth: 4.5 mm | 15 Kesternich cycles | with 2C fasteners on steel sheet or wood | 82x40R plate Material Thickness Ø hole code | | |
| | 294 701 | Material: Alu/Zinc alloy AZ 150 Thickness: 10 / 10 th mm Hole Ø 6.4 mm Bugle depth: 0 mm | 15 Kesternich cycles | with 2C fasteners on steel sheet or wood | 82x40R plate Material Thickness Ø hole code | No | NC |

Walk Resistant: In compliance with NF P 30-317

Unscrewing Resistant (According to ETAG 006 and NF P 30-315): 500 cycles before rotation of 1/4 of a turn and 900 cycles before rotation of 1/2 of a turn

NC: Not communicated

FICHE TECHNIQUE n°2001 EVDF 0,8 / ZBJ or 2C or 3C Ø 4,8 mm

Mounting fastener for mechanically fixed waterproof system



| Washer / Plate | Code | Specifications | Corrosion resistance | ETA | Label on packaging | Walk Resistant | Unscrewing Resistant |
|----------------|------|----------------|----------------------|-----|--------------------|----------------|----------------------|
|----------------|------|----------------|----------------------|-----|--------------------|----------------|----------------------|

Plates 40 x 40 mm

| | | | | | | | |
|--|---------|---|----------------------|--|--|--|--|
| | 294 780 | Material: Alu/Zinc alloy AZ 150 Thickness: 8 / 10 th mm Hole Ø 4.5 mm Bugle depth: 2.2 mm | 15 Kesternich cycles | with 2C fasteners on steel sheet or wood | Plate 40x40 material Thickness Ø hole code | | |
| | 294 680 | Material: Galvanized steel Thickness: 08 / 10 th mm Hole Ø 4.5 mm Bugle depth: 2.2 mm | 2 Kesternich cycles | No | Plate 40x40 material Thickness Ø hole code | | |

Washer, diameter: 40 mm

| | | | | | | | |
|--|---------|--|----------------------|--|--|--|--|
| | 603 491 | Material: Alu/Zinc alloy AZ 150 Thickness: 08 / 10 th mm Hole Ø 4.5 mm Bugle depth: 2.4 mm | 15 Kesternich cycles | with 2C fasteners on solid steel or wood | Ø40N Washer material Thickness Ø hole code | | |
| | 603 481 | Material: Galvanized steel Thickness: 08 / 10 th mm Hole Ø 4.5 mm Bugle depth: 2.4 mm | 2 Kesternich cycles | No | Ø40N Washer material Thickness Ø hole code | | |

Walk Resistant: In compliance with NF P 30-317

Unscrewing Resistant (According to ETAG 006 and NF P 30-315): 500 cycles before rotation of 1/4 of a turn and 900 cycles before rotation of 1/2 of a turn