

## ETICS Window Joint Profile ZF 3820

WDVS Gewebe-Anputzleiste ZF 3820

**Decoupling profile with TPE loop, especially for reinforcements in the ETIC system with Reinforcement Plaster ZF-SiL or ZF-R**

### Properties

Self-adhesive, two-piece plastic profile consisting of a base profile with a broad adhesive surface and a decoupled plastering rail with two-stage plastering edge, integrated mesh strips and break-off PVC leg (break-off edge). The elements are connected by a long, motion-decoupling, integrated TPE loop. Can be attached simply and securely using a bonding technique. Decoupling the plastering rails from the base profile, which is to be attached, allows movement in two directions so that there is freedom of movement within the profile. It has a decoupling effect and can also be used in installation situations allowing minimal movements. Thanks to the special design, there is a very narrow shadow gap after the break-off edge is removed. The pre-punched break-off edge protects against soiling and prevents water from getting underneath the reinforcement plaster and top coat. The double-sided adhesive tape on the break-off edge can also be used to attach covering foils. It has also been tested for driving rain impermeability in accordance with the test report.

### Field of application

It can be used to create driving-rain-proof connections to adjacent components that exhibit low to moderate movement, e.g., window and door frames, in the Brillux ETIC system. The narrow break-off edge makes the profile especially suitable for reinforcements with ETICS Reinforcement Plaster ZF-Granit 3535 in the Brillux ETIC system. Usable for an opening size of up to 10 m<sup>2</sup> with vertical connections ≤ 2.4 m. For insufficiently stable structures, e.g., circumferential window frames, Venetian blind guide rails, in wooden frame constructions, vertical connections with a length > 2.40 m as well as in the case of extreme weathering, we recommend using the ETICS Window Joint Profile Pro 3880 (see "Application" Table).

### Material description

**Color of section:** white

**Color of fiber:** blue

**Design:** Interlocking plastic rails connected by an especially long, integrated TPE loop with two-stage plastering edge, self-adhesive PE tape, break-off PVC leg (break-off edge) and integrated mesh strips with a one-sided mesh projection.

**Width of profile:** approx. 2.0 cm

**Break-off edge:** approx. 1.4 cm

**Fiber strip:** approx. 12.5 cm  
(Dimensions see Figure 1)

**Lengths:** 1.40 m and 2.40 m

**Packaging:**

Length 1.40 m:

25 pcs./box = 35.0 m

Length 2.40 m:

25 pcs./box = 60.0 m

**Use****Consumption**

Length 1.40 m: approx. 0.71 pcs/m.

Length 2.40 m: approx. 0.42 pcs/m.

**Application temperature**

Apply at an air and object temperature of +5 °C to +40 °C.

**Substrate preparation****Adhesion test**

The substrate must be even, clean, dry, stable, load-bearing, and free of non-adherent substances. Clean surfaces to be bonded with Universal Cleaner 1032 and then clean again with a microfiber cloth to ensure they are free of residue. The components which are used as a fixing ground must be dimensionally-stable and properly installed to ensure that they do not shrink and/or that major movements do not occur. An adhesion test is always to be performed before mounting to assess the usability. To perform this, clean an area that will no longer be subsequently visible. To perform the adhesion test, press an approx. 10 cm long profile piece firmly against the substrate (frame). After a waiting period of 10 minutes, pull the profile forcefully away from the substrate at a right angle. The substrate is suitable if half of the self-adhesive PE tape has stuck completely to the profile and the other half has stuck completely to the substrate (continuous split in the PE tape). If the adhesion test indicates that the substrate is not suitable for bonding, we recommend consulting the Brillux Consulting Service.

**Installation**

The ETICS Window Joint Profile ZF 3820 is mounted immediately after cleaning the substrate and before applying the insulation boards. This involves measuring the planned edges and marking them on the substrate while taking the insulation thickness in the reveals into account. Cut the ETICS Window Joint Profile ZF 3820 to size with the Miter Shears 3767. Cut the mesh strip by pulling the miter shear's cutting edge through it. Cutting into the break-off edge at the predetermined breaking point for a length of approx. 5 cm facilitates its subsequent removal.

For mounting, remove the protective strip from the self-adhesive PE tape and press the profile, which is aligned with the markings, firmly against the substrate.

First, attach the perpendicular profiles and then cut the upper transverse profile to a length that is flush with the edges and fit it in. To facilitate this, cut the removable edge to size on the perpendicular profiles beforehand. If necessary, fill the joint between the insulation board and profile with insulation material. For window frames recessed from the edge of the building shell, we recommend using ETICS reveal boards. After attaching the profiles, install the insulation boards up against/on the plastic profile.

**Covering and removing the break-off edge**

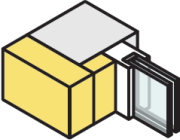
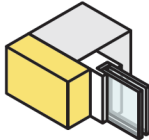
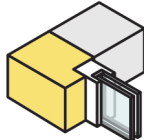
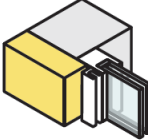
Pull the protective strip from the adhesive tape on the break-off edge to mask the structural components, cut the appropriate covering foil to size and then glue it on. To replace the covering foil, e.g. between the work steps, cut out the foil along the interior edge of the break-off edge. Only remove the remaining foil from the break-off edge when the new foil is to be glued on. As an alternative, it is also possible to cut the covering foil in the center into a v shape, roll it up and to affix it again for the next work step.

The mesh strip of the ETICS Window Joint Profile ZF 3820 is used to reinforce the reveal and corner areas with the system-compliant reinforcement plaster. After application of a final top coat, remove the break-off edge. This releases the integrated TPE loop in the profile. Also follow the application instructions enclosed in the packaging.

**Storage**

Store in a dry place and protect from moisture and direct sunlight.

Overview of the use of ETICS Window Joint Profiles taking into account the maximum size of the window or door system <sup>1)</sup>

|                                       | for front connection to window and door frames or roller shutter guide rails<br>(Position of window in facade without insulation) |                         |   |                         |  |                         | for lateral connection to window and door frames or roller shutter guide rails          |                             |
|---------------------------------------|---|-------------------------|---|-------------------------|--|-------------------------|---|-----------------------------|
|                                       | <br><b>recessed in facade</b>                    |                         | <br><b>flush with facade</b> |                         | <br><b>projecting from facade</b> |                         | <br> |                             |
| Insulation material thickness (mm)    | ≤ 160   | ≥ 170<br>up to ≤ 300    | ≤ 160   | ≥ 170<br>up to ≤ 300    | ≤ 160  | ≥ 170<br>up to ≤ 300    | ≤ 160   | ≥ 170<br>up to ≤ <b>200</b> |
| ETICS Window Joint Profile 3707       | up to 10 m <sup>2</sup>   | up to 10 m <sup>2</sup> | up to 10 m <sup>2</sup>   | —                       | —  | —                       | —   | —                           |
| ETICS Window Joint Profile Pro 3880   | up to 15 m <sup>2</sup>   | up to 15 m <sup>2</sup> | up to 15 m <sup>2</sup>   | up to 15 m <sup>2</sup> | up to 15 m <sup>2</sup>  | up to 15 m <sup>2</sup> | —   | —                           |
| ETICS Window Joint Profile ZF 3820    | up to 10 m <sup>2</sup>   | up to 10 m <sup>2</sup> | up to 10 m <sup>2</sup>   | —                       | —  | —                       | —   | —                           |
| ETICS Window Joint Profile, flex 3801 | —   | —                       | —   | —                       | —  | —                       | up to 10 m <sup>2</sup>   | up to 6 m <sup>2</sup>      |

<sup>1)</sup> Can generally be used in the specially designated areas up to the specified max. size of the window or door. \* Always consult the Brillux Technical Consulting Service to assess the usability of larger window or door systems and the installation of window and door frames (without reveal creation with ETICS) flush with the plaster.

**Notes****ETICS Reinforcement  
Plaster ZF**

We recommend use of the ETICS Window Joint Profile ZF 3820 when using ETICS Reinforcement Plaster ZF-Granit 3535 or ETICS Reinforcement Plaster ZF-R 3636.

**Follow instructions**

To ensure a safe installation of the ETICS Window Joint Profile ZF 3820, windows and doors must be mounted in a state-of-the-art manner and in compliance with the applicable directives issued by the relevant associations ("RAL Gütegemeinschaft Fenster" und "Haustüren, Bundesverbände des holz- und kunststoffverarbeitenden Handwerks, des Glashandwerks, des Metallhandwerks"). Undesirable movements, such as sagging due to inadequate fixture, must be prevented.

**Further Information**

Detailed information on the reinforcement in the "ETICS Reinforcement Fiber Mesh 3797" Data Sheet and in the data sheets of the reinforcement plasters.

**Remark**

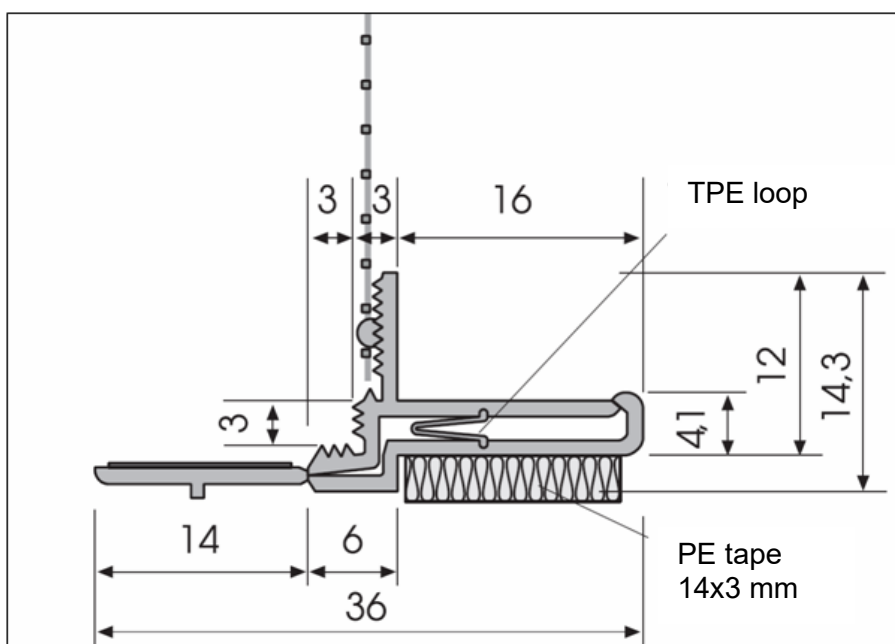
This Data Sheet has been prepared taking into account the current applicable German laws, standards, specifications and codes of practice. All details have been translated from the current German version. The contents do not form a legal contract. The user and/or the purchaser is not released from the responsibility of checking that our products are suitable for the proposed use. In addition our Terms of Conditions and Payment apply.

When a new version of this Data Sheet with updated information is published, the previous version no longer applies. The current version is available on our website. Version I

Brillux  
Weseler Straße 401  
48163 Münster  
GERMANY  
Phone +49 251 7188-0  
Fax +49 251 7188-105  
info@brillux.de  
www.brillux.com

**Figure 1**

Dimensions of ETICS Window Joint Profile ZF 3820  
(sizes in mm)


**Figure 2**

ETICS Window Joint Profile  
ZF 3820

