

SOLAR CONNECT

**Installation
Instructions**

ECTIVE

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batterium GmbH

Robert-Bosch-Straße 1 | 71691 Freiberg am Neckar
T: +49 7141 1410870 | info@ective.de | ective.de

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Introduction

Hi, nice to meet you! Ready to get ECTIVE?

Thank you for choosing an ECTIVE Solar Connect roof bushing for solar modules! This mounting element offers a reliable and durable solution for feeding solar cables through almost any vehicle roof and saves time and effort thanks to its extremely simple and safe installation.

The high-quality, UV-resistant and aerodynamic components offer maximum protection against water and dirt and blend seamlessly into the vehicle's appearance - and all of this is of course "made in Germany".

When installing the roof duct, please be sure to observe the instructions listed here and follow the installation steps described in these instructions. Have fun with your new ECTIVE product!

General Advice

It is essential that you observe the following before starting work:

- Check the ambient conditions! Hall temperature: +5 °C to +35 °C, humidity: 30 to 70 % relative humidity.
- Temper the sash parts, adhesives and bonding agents to room temperature before processing.
- Do not use products that have already expired.
- Observe the technical data sheets and safety data sheets for hazardous substances.
- Do not eat, drink or smoke at the workplace.
- Do not work with silicone and Teflon spray or other release agents in the bonding area.
- Observe processing times, flash-off times and process times according to the technical data sheets.
- All work must be carried out with chemical-resistant disposable protective gloves and safety goggles.

The relevant standards and guidelines must be observed during installation. All information and guide values without guarantee. The manufacturer accepts no liability for damage caused by improper handling, non-compliance with safety precautions or incorrect installation.

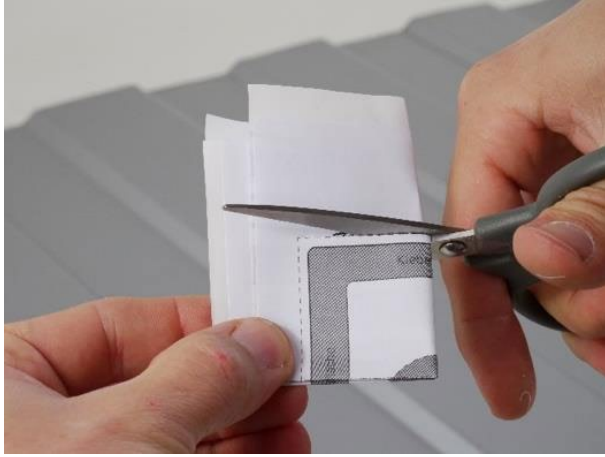
Installation Sequence

1. Required Materials
2. Cutting Out and Applying the Adhesive Template
3. Drilling the Hole
4. Preparing the Roof Surface for Bonding
5. Preparing the Roof Duct for Bonding
6. Bonding
7. Electrical Connection

1. Required Materials

- Adhesive set (suitable adhesive + accessories such as primer, cleaner, sanding pad, gloves)
- Adhesive template
- ECTIVE Solar Connect roof duct incl. cable
- Metal drill ≤ 32 mm (e.g. step drill)
- Round file
- Scissors
- Safety goggles
- Felt-tip pen
- Adhesive tape strips
- Cable shears
- Wire stripper

2. Cutting Out and Applying the Template



Cut out the inner part of the adhesive template

Tip: Select the cutting line between the adhesive surface and the dotted line - depending on the desired joint radius.



Mark desired position

Mark center line



Stick on the stencil

Stick on both parts of the stencil

3. Drilling the Hole



Drill hole for the cable

Drill: max. 32 mm diameter



Deburr edges

e.g. with a round file



Remove chips and peel off the inner part of the sticker

Apply corrosion protection to the drilled edge

If necessary, fit additional edge protection

4. Preparing the Roof Surface for Bonding



Clean roof surface

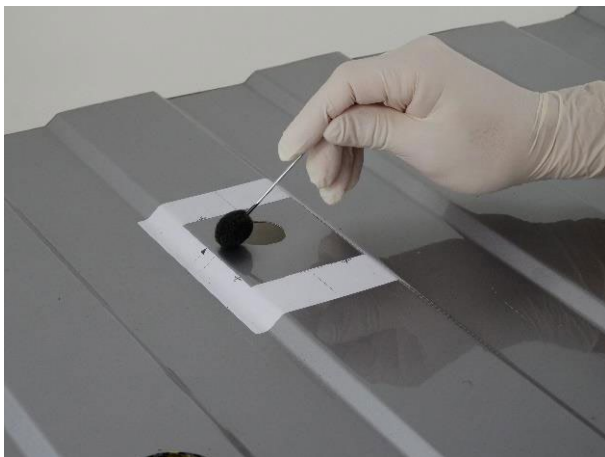
Lint-free cleaning cloth +
Isopropanol cleaner, e.g:

IPA-Reiniger, Fa.Würth,
Art.Nr. 0893223500;
Reinigungstuch, Fa.Würth,
Art.Nr. 0899810)



Wait for flash-off time:

1 min.



Priming the bonding surface

e.g. Varioprimer Safe und Easy,
Fa.Würth, Art.Nr. 0890024101)



Wait for flash-off time:

10 min. at 23°C

5. Preparing the Roof Duct for Bonding



Clean the adhesive surface

Lint-free cleaning cloth +
Isopropanol cleaner, e.g:

IPA-Reiniger, Fa.Würth,
Art.Nr. 0893223500;
Reinigungstuch, Fa.Würth,
Art.Nr. 0899810)



Wait for flash-off time:

1 min.



Sand the bonding surface

e.g. Schleifflies Very Fine,
Fa.Würth, Art.Nr. 0585805280



Clean the adhesive surface

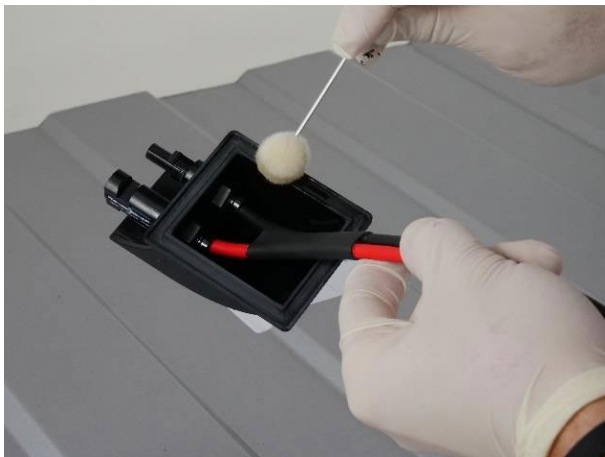
Lint-free cleaning cloth +
Isopropanol cleaner, e.g:

IPA-Reiniger, Fa.Würth,
Art.Nr. 0893223500;
Reinigungstuch, Fa.Würth,
Art.Nr. 0899810)



Wait for flash-off time:

1 min. at 23°C



Prime the bonding surface

e.g. Primer Haftplus Kunststoff/Holz/Stein,
Fa.Würth, Art.Nr. 089010062



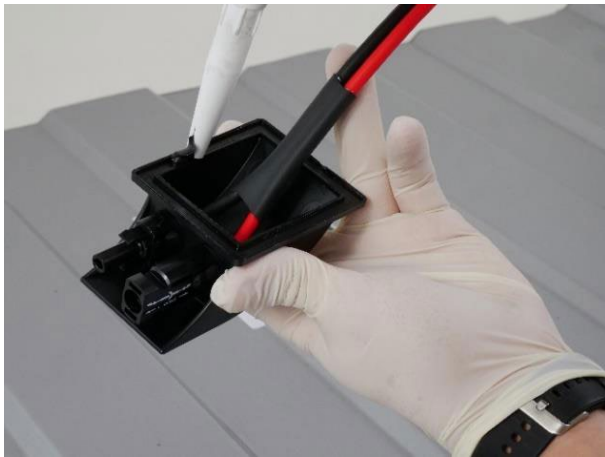
Wait for flash-off time:

30 min.

6. Bonding



Insert cable into hole



Apply adhesive as a closed adhesive bead

Minimum adhesive layer thickness: 3 mm

e.g. Klebt+Dichtet Power,
Fa.Würth, Art.Nr. 08932353



Glue on the roof duct

Note the arrows on the roof duct
and on the template

Minimum adhesive layer thickness: 3 mm



Smooth the joint



Remove the adhesive template
and fix the roof duct



Wait for flash-off time:

At least 2 days.

Curing speed: 3 mm/day
at 23 °C and 50 % humidity

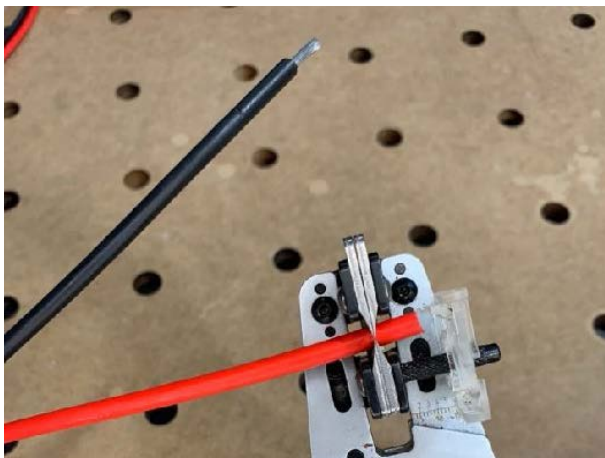
7. Electrical Connection



Lay and fix cables according to VDE standard

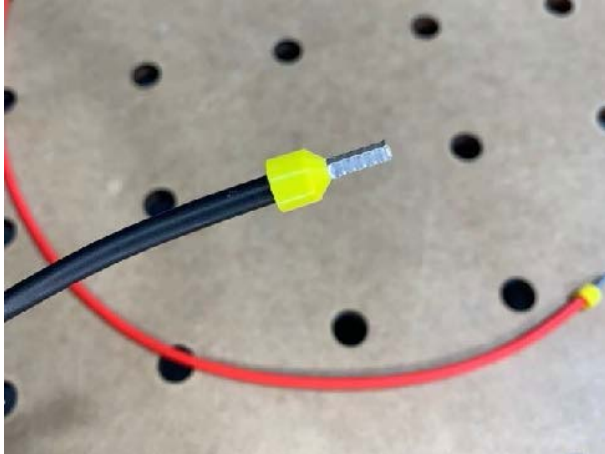


Shorten cable length as required



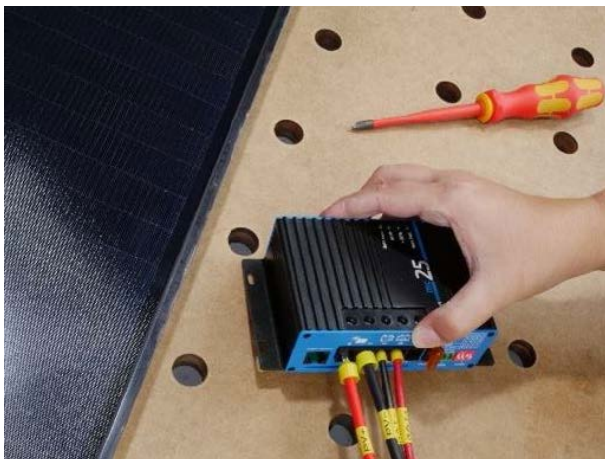
Strip the cable ends

Observe the manufacturer's instructions for the solar charge controller regarding the stripping length and the use of wire end ferrules!



Fit wire end ferrules if necessary

Observe the manufacturer's instructions for the solar charge controller!



Connection to solar charge controller

Observe the manufacturer's instructions for the solar charge controller!

Stay in Touch!

Would you like to find out more about ECTIVE and our products?

Just visit our [website](#)!

Would you like to stay up to date or are you looking for inspiration for your next camper conversion?

Follow us on [Instagram](#)!

Do you have a specific question? Our [customer service](#) will be happy to help you. They will provide you with fast, qualified help with any concerns about our products!

Our aim is to make your life easier with our ECTIVE products. No matter whether you are traveling with a motorhome, a boat or just a backpack. Whether it's a trip, a festival or a professional photo shoot: you should be able to concentrate fully on your adventure or project. A reliable power supply that runs efficiently and safely in the background gives you peace of mind so you can concentrate on the essentials: Experiencing unforgettable moments and creating priceless memories.

