



Safety data sheet

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1 General Information

Compliance with the safety data sheet is a basic requirement for the safe use and long service life of Community Climbing Equipment products. The volumes, macros and climbing holds comply with DIN EN 12572 2017. Use is only permitted in combination with climbing walls and products in accordance with DIN EN 12572. Installation may only be carried out by trained and competent personnel. Community Climbing Equipment products are intended for indoor use. Outdoor use will reduce the service life of the volumes, macros and climbing holds and lead to increased wear of the materials. Exposing the products to environmental influences may result in color changes to the product. Independent modification of the volumes, macros and climbing holds or their improper use is not permitted and will result in Community Climbing Equipment's exclusion of liability.



2 Macros – (also known as GFRP Volumes)

2.1 General

- The base bodies of our Macros are made from 100% recycled plastic and have a durable, 3-layer coating. Production waste is fed back into the recycling chain.
- Exposure to UV radiation and moisture can lead to color changes and material degradation. Manufacturer's specifications, product information, instructions and warnings must be observed.

2.2 Storage

- Dry and ventilated forms of storage should be selected. In addition, storage conditions under UV exposure should be avoided.
- Temperatures between -20°C and 40°C, optimum at room temperature
- Volumes can be stacked, separated by an appropriate intermediate layer (cardboard, fleece, etc.)
- Do not store under tension

2.3 Assembly

- Only by trained and skilled personnel
- All specified fastening points of the respective product must be used
- Fastening in existing or old holes in the wall structure should be avoided.
- Fastening only with chipboard screws with CE marking ("building authority approval")
 - 4,5x25mm or longer
 - Thread must penetrate climbing wall completely
 - Countersunk head
 - Part or full thread without milling shank
 - **Tightening max. 5Nm**

Note: Each chipboard screw is only permitted for a single use!

- The contact surface must be flat and full-surface contact must be made - *Macros cannot be mounted on concave or convex wall surfaces!*
- Do not install the climbing holds under tension - *pretensioning the material leads to considerable force and tension peaks, which put additional strain on the climbing holds and can lead to lasting damage, including deformation and breakage.*
- Edge and flange protrusions are not permitted!
- Placement in the course of the rope is generally not permitted - *Damage to the volume and rope sheath possible!*
- Check for any mounting damage (e.g. cracks, sharp edges); if damaged, the Macro must be replaced immediately - *risk of injury!*

Note: The use of an impact screwdriver usually generates a torque of well over 100 Nm (up to 180 Nm) - permanent damage to the climbing hold and the fastening is often the result!

2.4 Cleaning

It is generally possible to clean the macros. Brushing and a water-based solution is the option to be prioritized. Furthermore, Kletterkultur offers proprietary cleaning options for the treatment of macros. The focus here is on cleanliness, sustainability and user-friendliness. They can be found under the following link:

<https://climbing-culture.com/de/Zubehoer/Klettergriff-Reiniger/>

- For further information, please refer to the product data sheets or contact the manufacturer directly.
- Personal protective equipment must be worn accordingly (PPE)
- Cleaning with water or handle cleaner in the usual dosage as for climbing holds
- When cleaning with high pressure, ensure sufficient distance between volume and nozzle (at least 30 cm) and adequate water pressure
- Do not immerse or soak the volume in liquids
- The substrate must be water-draining - avoid waterlogging! (e.g. underlay strips, screen surface, etc.)

Note: Before cleaning, wet the surface with water or cleaning solution and leave to act for 5 minutes



2.5 Maintenance/repair/disposal

- To ensure safe use of the Macros, regular checks must be carried out in accordance with DIN EN 12572 (before each use, at least once a year). Damaged Macros may have edges that could cause injury and must therefore be replaced immediately.
- Independent maintenance or repair is not permitted and will result in COMMUNITY CLIMBUING EQUIPMENT's exclusion of liability. Repairs and maintenance work are generally possible, please contact the manufacturer for further information.
- If the surface is worn, the service life can easily be extended with a DIY upcycling kit, for example. The earth will thank you. Special repair kits for upcycling options can be found under the following link:
<https://climbing-culture.com/de/Zubehoer/DIY-Klettergriff-Upcycling-Kit/>
- At the end of their service life, the Macros can be returned to the recycling cycle in accordance with local disposal regulations.



3 Climbing holds

3.1 General

Our climbing holds are made exclusively from unsaturated polyester resin bases, which are classified as safe by the Polish National Institute of Public Health in accordance with hygiene certificate no. B.BK60111.0385.2023.

Manufacturer's specifications, product information, instructions and warnings must be observed. Dynamic loads during bouldering and climbing and/or thermal effects such as solar radiation can cause the fastenings to loosen. Particularly in the case of wooden panels and multiplex panels where drive-in nuts and T-nuts are used, initial settling of the screw connections may occur, meaning that these must be checked and/or retightened regularly.

3.2 Storage

- Choose storage locations that are dry and ventilated. In addition, storage conditions under UV exposure should be avoided.
- Temperatures between -20°C and 40°C, optimum at room temperature
- Climbing holds are stackable, separated by an appropriate intermediate layer (cardboard, fleece, etc.)
- Do not store under voltage

3.3 Assembly

- Only by trained and skilled personnel
- All specified fastening points of the respective product must be used
- Fastening in existing or old holes in the wall structure should be avoided.
- Fastening only with chipboard screws with CE marking ("building authority approval")
 - 4,5x25mm or longer
 - Thread must penetrate climbing wall completely
 - Countersunk head
 - Part or full thread without milling shank
 - **Tightening max. 5Nm**

Note: Each chipboard screw is only permitted for a single use!

- The contact surface must be flat and full-surface contact must be made - *Macros cannot be mounted on concave or convex wall surfaces!*
- Do not install the climbing holds under tension - *pretensioning the material leads to considerable force and tension peaks, which put additional strain on the climbing holds and can lead to lasting damage, including deformation and breakage.*
- Edge and flange protrusions are not permitted!
- Placement in the course of the rope is generally not permitted - *Damage to the volume and rope sheath possible!*
- Check for any mounting damage (e.g. cracks, sharp edges); if damaged, the Macro must be replaced immediately - *risk of injury!*

Note: The use of an impact screwdriver usually generates a torque of well over 100 Nm (up to 180 Nm) - permanent damage to the climbing hold and the fastening is often the result!

3.4 For climbing holds with M10 main fastening

- Main fastening with M10 screw to DIN 912, strength class 8.8
- Tightening torque min. 20Nm, max. 40Nm
- Anti-rotation lock by means of a chipboard screw (CE marking) - Tightening torque max. 5Nm
- Only use undamaged M10 screws!

Note: The use of an impact wrench usually generates a torque of well over 100Nm (up to 180Nm) - permanent damage to the climbing hold and the fastening cannot be ruled out!



3.5 For climbing holds without M10 main fastening

- Main fastening using chipboard screws
- **points must be used!**
 - Anti-twist protection or main fastening for climbing holds without M10 main fastening only with chipboard screws with CE marking ("building authority approval") **All fixing 4,5x25mm or longer**
 - Thread must penetrate climbing wall completely
 - Countersunk head
 - Part or full thread without milling shank
 - **Thitening max. 5Nm**

Note: Each chipboard screw is only permitted for a single use!

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Note: Before cleaning, wet the surface with water or cleaning solution and leave to act for 5 minutes

3.7 Maintenance/repair/disposal

- To ensure safe use of the Macros, regular checks must be carried out in accordance with DIN EN 12572 (before each use, at least once a year). Damaged Macros may have edges that could cause injury and must therefore be replaced immediately.
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