



## Assembly Instructions for wooden volumes

### General notes

- Installation may only be carried out by trained and competent personnel.
- For safe use of the wooden volumes (hereinafter referred to as volumes), compliance with the safety data sheet is a basic prerequisite. Incorrect assembly can result in serious injuries.
- The volumes must not be altered independently.
- The surface must comply with the current standard for climbing walls (DIN EN 12572-1) or bouldering walls (DIN EN 12572-2). (The surface must be level and load-bearing, the minimum thickness must be 18 mm).
- The volumes are designed for indoor use. Outdoor use could reduce the service life and cause the colours to fade more quickly. Therefore, such use is at your own risk.
- Our volumes are all manufactured according to DIN EN 12572.
- Careful handling guarantees a long use.
- Large volumes should always be assembled with at least 2 people.

### Storage

- The handles and volumes should be stored dry and in ventilated rooms.
- The temperature should be between +50°C and -20°C.
- Our volumes can also be stacked; however, we strongly recommend placing carpet, fleece or similar suitable layers in between to preserve the longevity of our coating.

### Cleaning

- Volumes must not be exposed to elevated temperatures (>50 degrees celsius).
- Cleaning of the volumes should be carried out at regular intervals by skilled personnel.
- It is possible to clean the volumes with a high-pressure cleaner, but make sure there is sufficient distance between the nozzle and the volume.
- It is helpful to wet the surface of the volume with water or handle cleaner before the actual cleaning process and to start cleaning after a short exposure time.

- Never place, stand or immerse the volumes in water or cleaning solution.

### **Attaching to the wall (mounting)**

- Volumes must rest fully on a flat wall. This means that fixing on curved wall areas is prohibited.
- Only use countersunk screws with a diameter of 4.5 mm and a corresponding length depending on the wood volume (hereinafter referred to as chipboard screws) (e.g. WÜRTH, SPAX or comparable) with CE marking (in accordance with the building inspectorate approval), these are to be attached with a torque of 5-10 Nm.
- Partially and fully threaded screws are possible
- All fixing holes provided must be used. Likewise, only these may be used.
- Each chipboard screw may only be used once.
- The general rule for the length of the mounting screw is that it must penetrate the climbing wall completely and with a thread (note full/partial thread!).
- On climbing walls, no rope may run over the volume, as this may cause damage to the volume and rope
- After assembly, check the volume for correct fastening, damage during assembly and screwing and test the volume for functionality.
- Do not use existing/old holes for chipboard screws on the climbing/bouldering wall
- Volumes may loosen slightly over time due to extreme dynamic loads and temperature fluctuations. Retightening may be necessary at certain intervals.
- Damaged volumes may have edges and corners that could cause injury. For safety reasons, no volumes may be repaired independently. In case of defective volumes, please send an e-mail to [info@banana-volumes.com](mailto:info@banana-volumes.com) immediately. We will discuss the further procedure with you.
- Volumes must lie on the entire surface and must not protrude from edges.
- When assembling, make sure that there are no gaps between volumes with a thickness of 8 and 25 mm and a depth greater than 15 mm that could lead to them getting stuck, unless they are specifically intended for climbing and are integrated into the volume.

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