

Product Information T-Wall Climbing Holds:

Thank you for choosing T- Wall products.

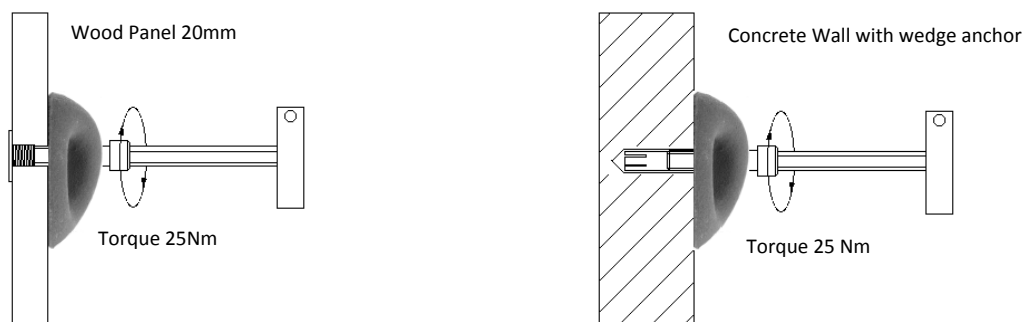
T-Wall climbing holds have been in use world-wide for more than 20 years in a wide variety of climbing wall installations. The special mixture of components and the choice of high quality raw materials give T-Wall products their unique texture. As basis resin we use only unsaturated polyester resins, which have been classified as undangerous by the Federal Institute for Risk Evaluation (BfR) under Clause 5, Paragraph 1.1 of the Food and Consumer Goods Act. The initially slightly raw surface texture becomes the well known and pleasant T-Wall surface after a short „climbing in“ process and remains so for many years of climbing pleasure. Almost all stains can be removed in the washing-up machine or with a pressure washer.

Installation:

T-Wall outside holds are designed to be installed on a flat surface, using a bolt (.....) M10 DIN 912. The required bolt length can be found either in our data sheet in the internet or in the installation set supplied with your order. The bolts pass through the fixation hole in the hold and need a torque of ca 25Nm (handfast).

Please take special care that the hold has a flat contact surface with the wall, as otherwise there is a danger of breakage.

Due to the dynamic loading from climbing or due to temperature changes the bolts can loosen and should therefore be periodically checked and if necessary re-tightened. This is particularly the case where new wood panels and T-nuts have been used as they tend to settle with time.



Breakage Protection EPS System:

T-Wall climbing holds with a volume greater than 100 cm³ are cast with a special spring, to prevent parts falling off in the event of breakage.

Route Planning:

On principal a climbing route should be designed for a specific target group. Size and experience of the climbers are decisive. In placing the holds, one should consider the age of the target group. We have evolved the following guidance values.

Group Age	Holds per m ²	Distance between holds	
From 4 to 10 years	7-8	approx 25 cm	
From 10 to 15 years	5-6	approx 35 cm	
Over 15 years	3-5	approx 40-50 cm	(of us determined approximate values)

On walls with limited height, long and demanding climbing routes can be defined by following varied lines and including traverses. In designing a route, one should aim to include as many different climbing techniques as possible.

Safety Hints:

Climbing always implies the risk of falling and therefore the risk of injury! Suitable and approved safety equipment must always be used including harness, carabiner and rope etc. Bouldering (climbing within jump height) may only be done above suitable, shock absorbing ground such as Crash Pad, mats or gravel. Warming up and stretching the muscles is strongly recommended.

Unsuitable or over intensive training can cause chronic injury, for instance to the fingers and wrists.

Legal Requirements and Guidelines for Climbing:

The Statutory Accident Insurance (GUV) and The Deutsche Alpenverein (DAV) have together developed a set of guidelines for climbing in schools and similar institutions.

These include:

- above 60 cm step height over soft ground (i.e. grass)
- above 1.5 m step height over shock absorbing ground (i.e. gravel or synthetic fall protection)
- by free fall heights above 2 m the climbers must be secured with a rope.

Please feel free to ask us, if you have further questions on the safety aspects of climbing.¹

Repair:

Damaged holds can develop sharp edges. For safety reasons, damaged holds may not be repaired.

Defective holds must be disposed of.

Disposal:

T-Wall climbing holds can be disposed of in the normal household rubbish..

