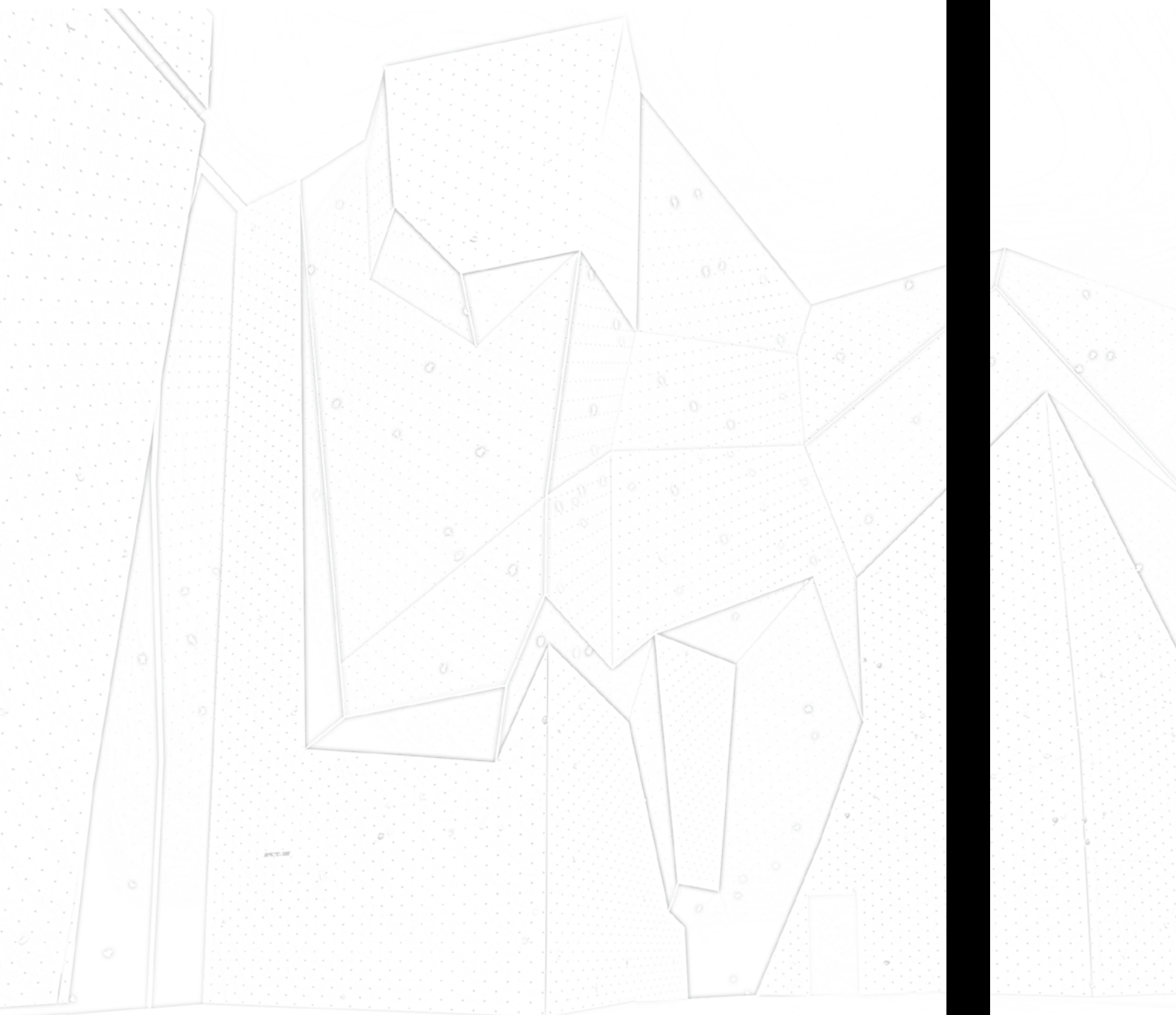




WALLTOPIA

CLIMBING WALLS IN DETAIL



GEOME3X



Sender One LAX, Los Angeles, CA, USA

GEOME3X is Walltopia's most popular style. The polygonal multi-angled planes provide an endless variety of three dimensional design possibilities with clean and minimalistic appearance. Limitless range of color combinations give every climbing wall a unique and distinctive look. The flat surface panels allow for a great t-nut density and plenty of route setting options.

Geome3x can be manufactured for both indoor and outdoor use. The panels can be carved to achieve micro relief. Geome3x is the most economically efficient solution, providing everything a gym needs at a reasonable cost.

Geome3x Plywood :

- Made of extra strong hardwood birch plywood
- Water resistant coating available
- Available in flat or carved surface

Geome3x GRP:

- Made of fiberglass and polyester resin
- Highly durable
- Only 8mm thick and very lightweight
- Waterproof



Touchstone Metalmark, Burbank, CA, USA



Kletterzentrum Innsbruck, Austria

3D CURVES



Sender One, Santa Ana, CA, USA

Inspired by the famous sandstone canyons of Utah and the boulders of Fontainebleau, 3D curves fills the gap between architects' imagination and the technical restrictions of plywood panels. Without micro relief, high T-nut density can be achieved and route setters can make the best use of the space available. 3D Curves is often used in combination with plywood walls to create a signature feature in the climbing gym. Although aesthetically pleasing, curved forms pose restrictions on routesetting as they are not suitable for big holds and volumes and that should be taken into consideration when creating 3D curves features.

3D Curves is mostly made of fiberglass as it poses absolutely no restriction in terms of shape, however some curved forms can be achieved with bent plywood as well.

- Made of fiberglass
- Perfect for creating signature features
- Appropriate for both indoor and outdoor use
- Highly durable



Urban Climb Milton, Brisbane, Australia



Touchstone Hollywood Boulders, Los Angeles, USA

ROCKTOPIA



DAV Neu Ulm, Germany

Rocktopia is our way of going back to the roots of rock climbing. These are walls that resemble real rocks. To ensure the natural feel, the molds that shape the fiberglass panels have been casted from real rocks at our home iconic crags.

Rocktopia provides a great variety of rock features with various relief that can present a challenge to both beginners and advanced climbers. The surface can be high or low relief depending on the desired level of difficulty. The neat placement of the holds is achieved by our flat underhold technology that eliminates the risk of hold breakage.

Although there are no restrictions in the color options, we recommend the realistic rock look – the different hues of limestone, granite or sandstone.

Besides climbing walls, the Rocktopia features can be used to create artificial rocks and boulders for urban outdoor environments such as parks, recreational areas and zoos.

Rocktopia rock types:

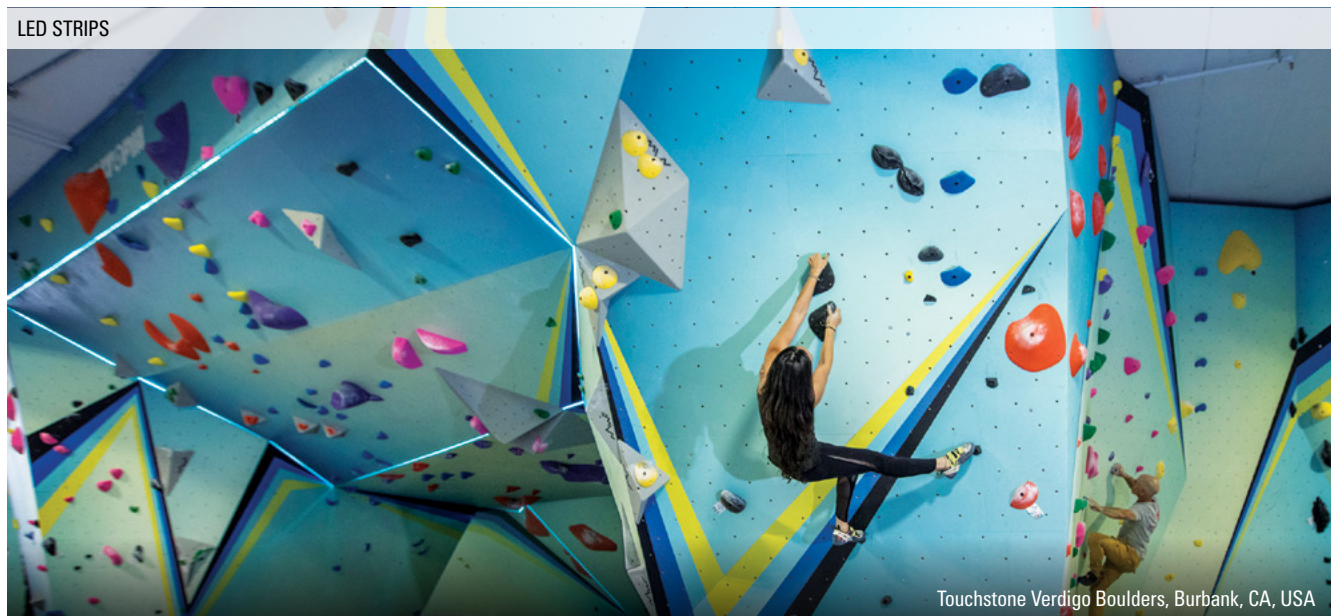
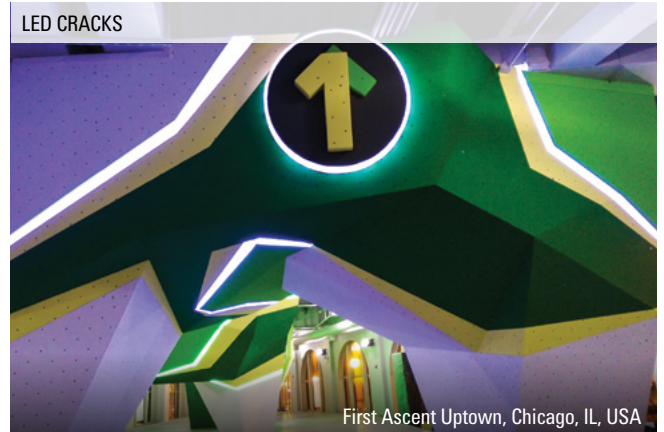
- Limestone
- Sandstone
- Granite



DESIGN FEATURES

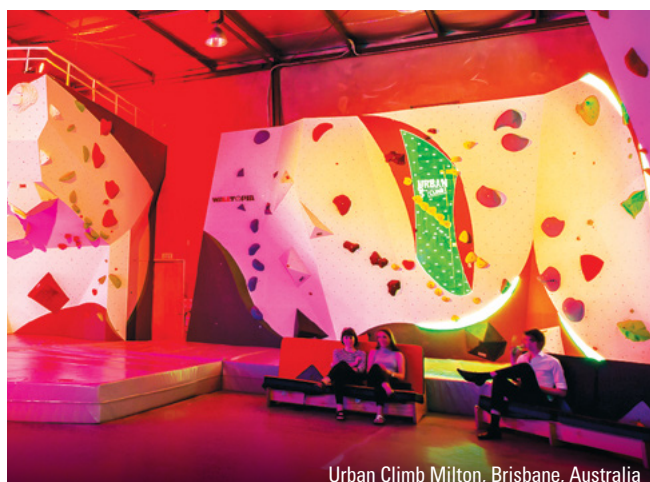
LED ADD-ONS

Pimp up the outfit of your wall with built-in LED illumination. Elaborate the design of your gym with custom shapes that can glow in any color using RGB LEDs. The features currently offered are LED cracks, LED strips and LED band and can be incorporated in any climbing wall design style.



PLEXIGLASS FEATURES

Make a section of your climbing wall transparent with a piece of plexiglass that is actually climbable. Be it a window to another room or simply a design feature, small sections of plexiglass can be incorporated with the plywood or fiberglass panels. To keep it transparent, texture cannot be added, so keep in mind that the friction would be restricted in that section.



TECHNICAL DETAILS

When you first look at a climbing wall, chances are you will only see the shape and color of the walls. But if you take a step closer, you will notice the seams between the panels, the metal strips, the t-nuts, the anchors, the belay bars, the transitions, the edges and the surface itself.

At Walltopia we give special attention to all details. We believe that perfection comes from the synergy between design, installation and technical details.

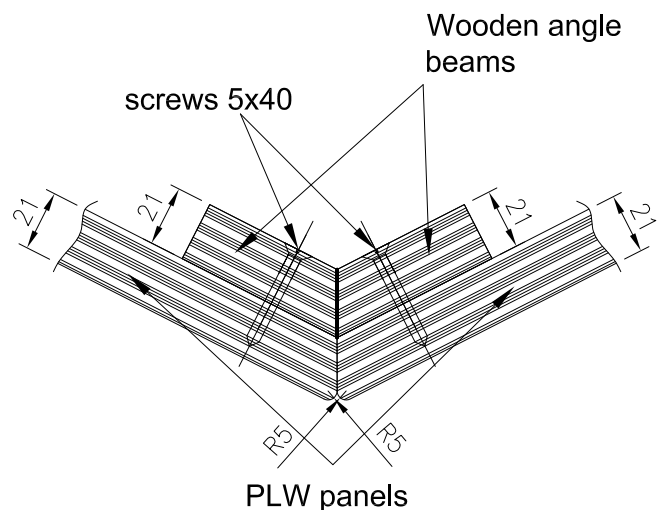
CORNERS



We seek perfection in every small detail and make sure all corners are met perfectly well and no undesired space is left between panels.



BOULDER PANELS WITH ROUNDED EDGES



We believe we should constantly re-examine, analyze and improve our products. We have discovered that all the edges on our Geome3x bouldering walls – the edges where planes of different angles meet to form a positive relief – must have rounded edges in order to protect the climbers and to provide a softer grip.

- Strengthens the corner
- Reduces the sharpness of the edges for climbers' safety

TECHNICAL DETAILS

GRAB LINE



All Walltopia walls end with a Grab Line which has two prime functions:

- A comfortable grip at the end of the route
- Safer and easier clipping in the last quickdraw

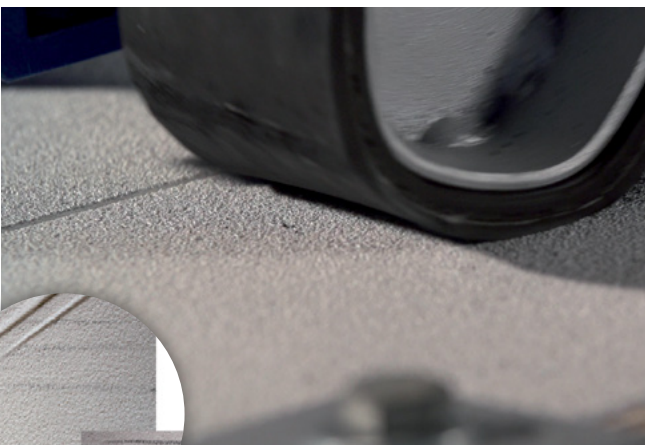
ROPE PROTECTION



Ropes are a consumable with high depreciation rate and need to be replaced on a regular basis. To prolong their lifespan and keep the neat appearance of the wall at the same time, we have designed the thinnest rope protection strips available on the market.

- Preserves the aesthetic look of the wall
- Extends the life of the rope
- Reduces the efforts in belaying
- Protects the protruding angles from the rope friction
- Elegant metal bend (5 mm)
- Precise connection in the corners
- Installed on all corners

RUBBER RESISTANT TEXTURE



Keeping your climbing wall clean and preserving the colors for as long as possible is important, yet often overlooked.

To protect the look of the colors, we have developed a special dirt-resistant coating that prevents climbing shoe rubber from sticking to the wall to a big extent. However, due to the nature of the materials - soft rubber in contact with hard abrasive surface - and other factors such as overall cleanliness, walls do get dirty over time. Our texture allows for easy cleaning and maintenance of the wall surface.

TEXTURE GRAIN



We have discovered that the best texture grain that fits all needs has the size of the grain of 0.25mm. Using a specially developed technology for application of the texture, we make sure it provides exactly the perfect amount of friction.

TECHNICAL DETAILS

BELAY BAR



- Doubles the life of the ropes
- Reduces the effort in belaying
- Serve as a top station for both lead and top rope climbing
- Stainless steel (indoor and outdoor use)

TOP ANCHOR



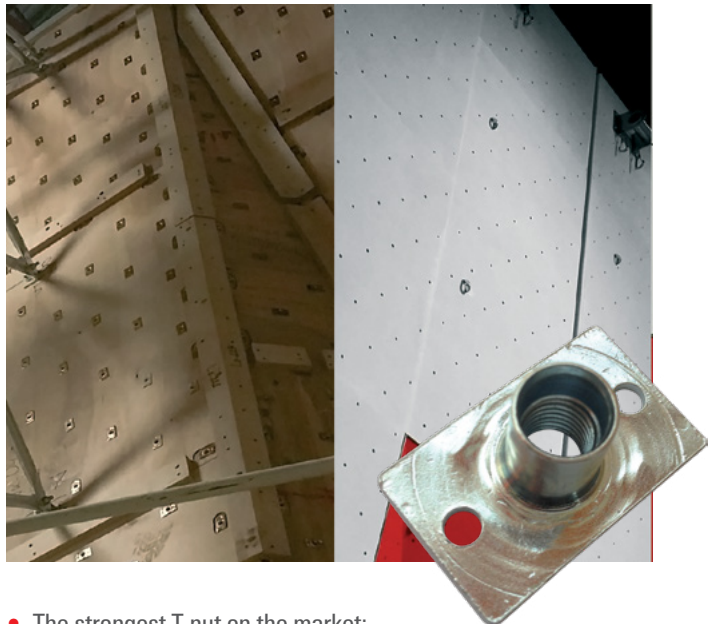
- Keeps the carabiners and the rope at a distance from the wall
- No friction between the rope and the wall texture
- Carabiners and maillons are replaceable
- Good for both lead and top rope climbing
- Available for indoor and outdoor use
- Suitable for any wall inclination including big overhangs and roofs as well as slabs.

U-BOLT



- Preserves the quicklink
- Prevents the risk of unexpected unscrewing
- Safety for the climber - no sharp edges
- Stainless steel (indoor and outdoor use)
- TÜV Germany tested (the break value in axial direction is 36,9kN, the break value in radial direction is 31,7 kN)

SELF-GUIDED T-NUT



- The strongest T-nut on the market;
- TÜV Germany tested (breaking point at 13,277 kN), certified under EN12572;
- Available in metric and imperial version
- Light and thicker flange