

CST Climbing Systems and Technology LTD
Kostialova ulica 32
8000 Novo mesto
Slovenia (EU)
Europe
Cell: + 386 41 761 612
+ 386 41 953 855
e-mail: citywall@siol.net

CityWall
vertical life

www.citywall.si
t: ++ 386 41 761 612
e-mail: info@citywall.si

3D POLYESTER 1X1 m PANELS



3D POLYESTER 1X1 M PANELS – PERFECT SOLUTION FOR RECREATIVE CLIMBING WALLS

Most of the climbers are recreative climbers. So why don't you offer them a climbing wall, that would bring them **joy and happiness**. To be proud of themselves when reaching the top of the climbing wall easily.

Climbing wall made of 3D polyester 1x1 m panels is appropriate for recreative and also for better climbers

Climbing walls, made of modular 3 - dimensional 1x1 meter sized panels, are really **perfect solution for recreative climbers, beginner climbers, school and pre-school children**.

But also for **better climbers**, because our modular system of numerous combinations of connecting panels together offers creating numerous shapes, that resemble natural rock creatures.



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Roofs, overhangs, slabs, corners, all of these rock formations can be formed from our 3D polyester 1x1 m panels, and you don't even need large surface to realize all of them.

PURPOSE

Our 3D polyester 1x1 m panels are appropriate for creating **indoor and outdoor climbing walls**. They are highly resistant to all sorts of weather impacts.



Outdoor climbing wall



Indoor climbing wall

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Climbing is one of primal ways of moving. We should encourage children to climb!
Climbing walls made of 3D polyester 1x1 m panels are appropriate for climbing walls in **kindergardens** or on **playgrounds**.



Installation is **simple and easy**, that's why these panels can be used also for **selfstanding walls** for **fairs** and different **events**.

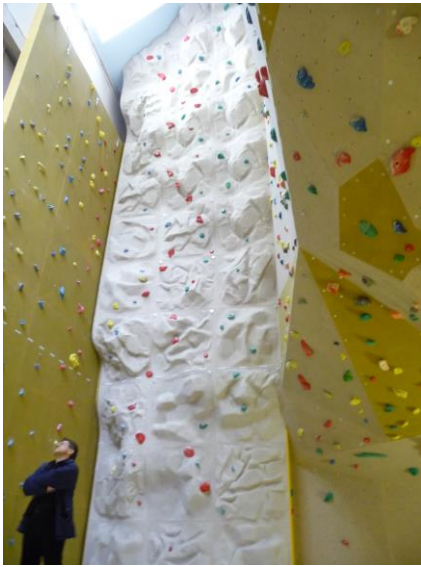


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Combination of 3D polyester panels with **plywood** climbing wall? No problem! Climbing centres use it and schools use it as well.



Climbing walls made of 3D 1x1 m polyester panels can be **high (lead)** or **low (boulder)**.



*High or low climbing wall?
Why not both?*

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Sometimes your location for the climbing wall does not have proper basis for fixation of the climbing wall. In that case **selfstanding construction** needs to be built. 3D polyester panels are **perfect solution** for such climbing structures. They are easy to install and they are **highly resistant** to all sorts of **weather impacts**.



*Low climbing wall with
self standing construction*



*Selfstanding climbing tower made
of 3D 1x1 m polyester panels*

CityWall panels were used for climbing walls on luxurious ships.



*Combination of the climbing wall with water slide
on a luxurious ship*



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Construction for the climbing wall, made of 3D 1x1 m polyester panels can be **simple**, with fixing the panels on the existing wall, or more **complex**, so that the **whole climbing wall structure is inclined** for the purpose of more advanced climbing.



*Simple construction
(climbing wall for Fire brigade training)*



*Complex construction enables to incline the
whole structure(right)*

MODULAR SYSTEM OF COMBINATION OF PANELS

We are offering you **22 different shapes** of panels; from **steep** to **overhanged**. What you do is to create your own version of climbing wall.



*Simple lead (high)climbing wall with
large surface*



*Simple school climbing wall with
smaller surface*

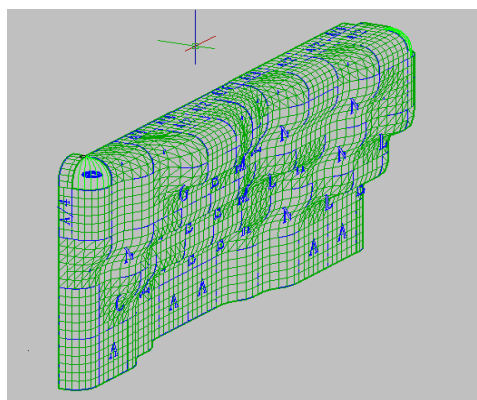
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You can choose between two options.

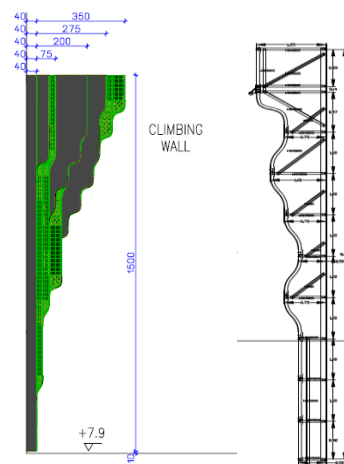
Send us the exact measurements and **we can prepare you the design, visualisation or exact plan** with all the necessary elements of the project plan, including cross sections, static calculation, construction plan etc.



Basic drawing



Visualisation

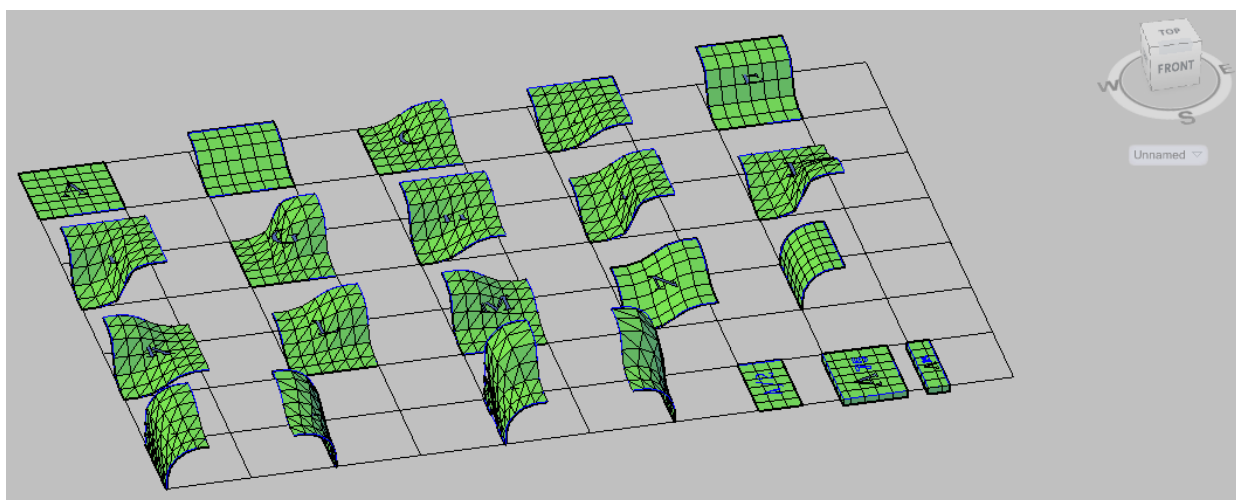


Complex projective plans

But with **your own projective team** you can create **your own solutions**. We just send you our plans for 3D polyester panels.

You draw and create, and **we produce** the panels, using your plans.

The panels can be installed also around the corner, with non standard measurements, you can create different curves around edges.



TECHNICAL CHARACTERISTICS OF 3D 1X1 M POLYESTER PANELS

The panels have 10-15 holes with T-nuts for fixing the climbing holds. The places for fixing the holds are flat, so that you can firmly screw the climbing hold into the T-nut. You use M10 screws with different lengths. The weight of the panels differs on the size of the panel. The panels, that are used for creating slabs, have smaller weight, but the curved panels, that are used for creating overhangs and corners, are heavier.

Type of panel		Dimensions (in meters)	Weight (in kg)	Nr. of holes for climbing holds
1.	A	1 x 1	13 - 15	10 - 15
2.	B	1 x 1	13 - 15	10 - 15
3.	C	1 x 1	13 - 15	10 - 15
4.	D	1 x 1	13 - 15	10 - 15
5.	E	1 x 1	13 - 15	10 - 15
6.	F	1 x 1	13 - 15	10 - 15
7.	G	1 x 1	13 - 15	10 - 15
8.	H	1 x 1	13 - 15	10 - 15
9.	I	1 x 1	13 - 15	10 - 15
10.	J	1 x 1	13 - 15	10 - 15
11.	K	1 x 1	13 - 15	10 - 15
12.	L	1 x 1	13 - 15	10 - 15
13.	M	1 x 1	13 - 15	10 - 15
14.	N	1 x 1	13 - 15	10 - 15
15.	O	1 x 0,5	6-8	5 - 10
16.	P	1 x 0,75	7-10	5 - 10
17.	R	1 x 0,75	7-10	5 - 10
18.	S	1 x 1	13 - 15	5 - 10
19.	T	1 x 1	13 - 15	5 - 10
20.	A/2	1 x 0,5	8 - 10	6 - 8
21.	A/75	1 x 0,75	10 - 12	8 - 10
22.	A/25	1 x 0,25	4 - 6	4 - 6

Panels are made of GRP (glass reinforced polyester) laminate, covered with sandy texture.

For **indoor climbing** wall purpose we use **zinc T-nuts**.

For **outdoor climbing** wall we use **inox A2** or in case of close to the sea-side location we use **inox A4 T-nuts**.

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We have tested the panels in all sorts of weather conditions: from very low temperatures in Scandinavia and in the Alps, to tropical weather conditions with high temperatures and a lot of air moist in the Carribean.

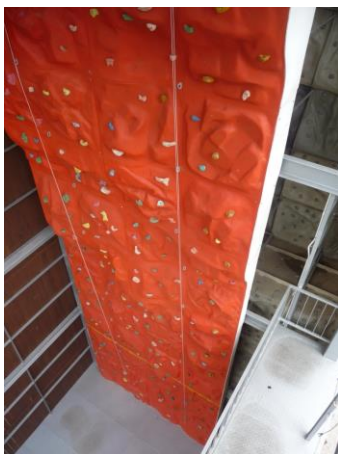


Climbing wall on a luxurious ship is exposed to extreme weather conditions

3D 1x1 m polyester panels are **highly resistant to weather influence** (high and low temperatures, UV radiation, rain, snow).

Maintenance is easy: they need occasional cleaning with water, using high pressure.

You can **choose your own colour**. We prepare you the sample and you decide, which one to choose.



Classic grey is used most of the times due to easy maintenance



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COMPLIANCE WITH STANDARDS AND CERTIFICATES

1. **Hold insert resistance test** for artificial climbing structures, SIST EN 12572-1/2007, Annex E
2. **Impact test** of surface elements, SIST EN 12572-1: 2007, Annex D
3. Declaration of conformity No- 07/5093 for **climbing wall with sandy strucxture** with
EN 71-3:1994: Safety of toys - Part 3: Migration of certain elements, the amendments:
EN 71-3: 1994/AC:2002, EN 71-3:1994/A1:2000, EN 71-3:1994/A1:2000/AC:2000

DELIVERY

Packaging of the 3D 1x1 m polyester panels is on wooden pallet, wrapped with stretch PVC foil, protected against rubbing.

Number of panels on one pallet: 5-8, depending on shape of the panels.

Panels are delivered without holds and under construction.