



## 3D FREEFORM RES-SYN ROC

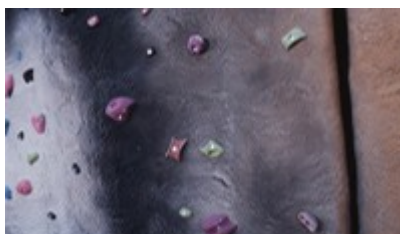
Bendcrete's **3D Freeform Res-Syn Roc System** creates the most authentic climbing wall texture available. Anything from gritstone faces with rounded breaks to pocketed overhanging walls can be reproduced with amazing accuracy. This realism helps climbers to develop technical skills as well as mental climbing abilities such as route planning and memory



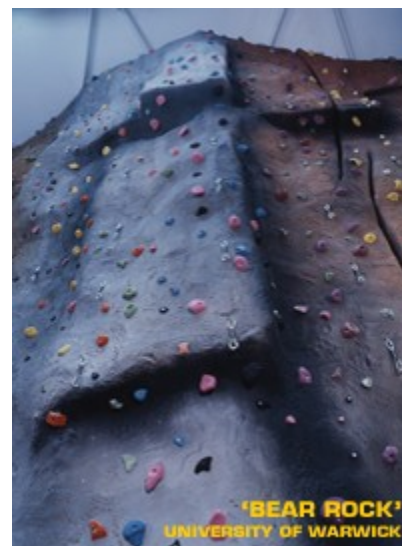
**3D Freeform Res-Syn Roc** walls can be used anywhere. The base is made from flame retardant glass reinforced polymers mounted on a preformed steel frame.

A generous layer of flame retardant 'Res-Syn Roc' is then added to give a perfect climbing texture. This forms scoops, smears and edges that combine with other fine detail, to bring the element of realism to the wall

To compliment the permanent features, bolt-on holds are fitted to give continuous flexibility in route setting



**3D Freeform Res-Syn Roc** walls are tough and hard-wearing, and virtually eliminate the need for maintenance.



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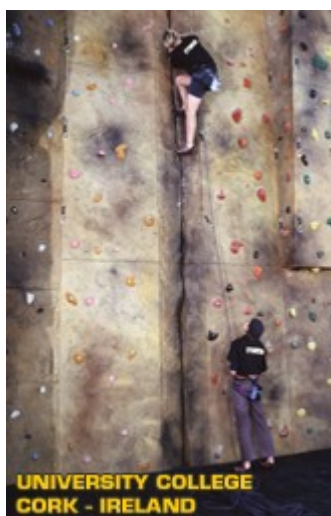
## RES-SYN-ROC I & II PANEL SYSTEMS

The Bendcrete Res-Syn Roc panels are the most cost-effective system for rock-like climbing surfaces

Based on 18mm plywood panels, it is tough enough to avoid flexing and will last for years without the need for expensive maintenance. The panels are normally supplied in 1200mm X 1200mm. However, panels can also be manufactured to size.

### Ideal for:

General lead walls / Bolt on hold based bouldering walls

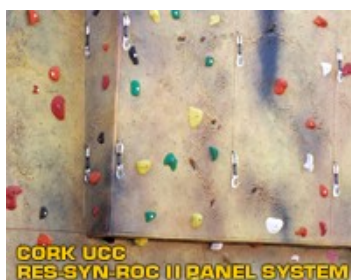


### Res-syn Roc I panels

These have a generous 'Res-Syn Roc' layer providing a variety of hybrid rock like climbing surfaces with excellent friction and robustness.

This layer is hand sculptured to provide small edges, smears and shallow pockets for use as footholds.

This permits a natural style of climbing, and superb flexibility is provided by at least 15 bolt on hold placements per m<sup>2</sup>



### Res-syn Roc II Panels

Crafted with the same specification as Res-Syn Roc 'I' but with the addition of larger features such as pockets, flakes, cracks and horizontal breaks

These are formed using 3D-Freeform Curved Resin and are ideal for creating realistic routes that can be climbed without the need to use bolt on holds. They can also be spread throughout a bouldering wall to provide added interest. The panels are also supplemented with a large number of bolt on hold placements



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## 3D ROC-CRETE CLIMBING WALL SYSTEM

These Systems gave us our name as we found we could **'bend'** concrete into any shape to achieve the closest possible simulation of natural rock. **BENDCRETE** walls accurately imitate the three dimensional aspects of rock architecture and are designed to challenge the mental and physical skills needed to improve climbing technique

Bendcrete's unique **'Roc-Crete'** technology, developed in 1972 combines hand sculptured thin shell reinforced concrete with an independent structural steel sub frame

Walls built in 1972 still stand today as a testament to the robustness of this system



The walls can be installed indoors and out and their strength makes them particularly suitable where there is the possibility of accidental or deliberate damage

Bendcrete can produce superb aesthetic finishes which make it ideal for sensitive areas where artificial structures may conflict with the landscape

[See the Roc-Crete system on our external open-access Boulders](#)

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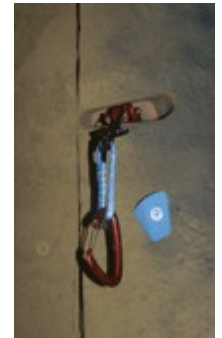
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## TRAD-PRO WALL SYSTEM

Natural protection technology takes the realism of a Bendcrete Climbing Wall a step further. The system provides leading edge natural protection for artificial climbing structures. 'Trad-Pro' provides instructors with a functional realistic teaching aid whilst satisfying traditionalists demand for a climbing experience closer to the real thing.



'THREAD' PLACEMENT

VERTICAL 'CAM' PLACEMENT

HORIZONTAL 'CAM' PLACEMENT



CLASSIC 'SPIKE' RUNNER

TWIN 'NUT' PLACEMENTS



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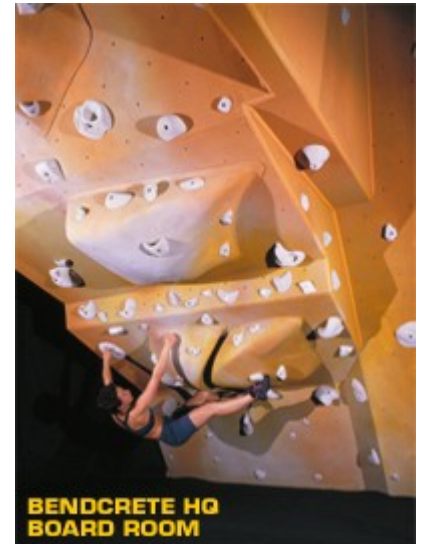




## QUARTZ RES-SYN PANEL SYSTEM

These panels have a wafer thin '**Quartz Res-Syn**' layer providing a high friction and extremely robust climbing surface which does not contain any inbuilt features.

A total of 22 bolt on hold placements per m<sup>2</sup> provide outstanding flexibility when route setting



### Ideal For:

- Competitions
- General Leading Walls
- Bolt on hold based Bouldering Walls
- Budget Climbing Walls

### Accepts:

- Any size of Bolt on Hold
- Any size of Screw on Feature

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## BOLT ON HOLD CLIMBING WALLS

**This is the easiest most cost effective way to convert almost any wall in to a climbing facility**

By fixing a matrix of internally threaded sleeves into the wall, using resin glue, it allows bolt on holds to be attached to the wall to create interesting problems and climbs. They can also be rearranged from time to time to sustain interest

This can be done to any structurally sound brick, concrete or block work wall and we recommend a minimum of 4 per m<sup>2</sup>. Please [contact](#) us for a quotation, alternatively for those with the necessary skills - all equipment and bolt on holds can be supplied in Kit Form (see [accessories](#) ) complete with instructions. Please also see our fitting [guidelines](#) page.



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