

Elite Precast Concrete **case study**

Elite Precast Concrete Ltd and RSG Structures join forces again...

For more information or technical advice, contact 01952 588885.

RSG Structures operate as an independent designer, supplier and installer of all manner of precast, prestressed concrete as well as traditional steel frame and membrane covers/canopies. By using a network of carefully vetted suppliers they are able to offer completely unbiased, impartial advice.



One of RSG's clients required the construction of a high walled (6 or 7m high), covered bunker. The site of the new bunker already had a solid slab base. However the existing slab had many different levels meaning putting walls directly on it would be an issue.

It was decided to use a varying height plinth to create a level surface for the walls to be formed. Because this particular plinth was only 0.4m at its shallowest and just over 1.2m at its highest wall construction options were limited.

'L Walls' or horizontal panels are a possibility, however at this wall height the foot of the 'L Wall' would be around 2.6m which would dramatically increase the bunker's footprint.

Panels would require either stub stanchions or a heavy duty steel frame with corresponding large foundations. Options for the division walls are also very limited at this height and wouldn't be operator friendly with feet or steelwork in the way.

"On projects like this Elite Precast's high strength Legato block really comes into its own."

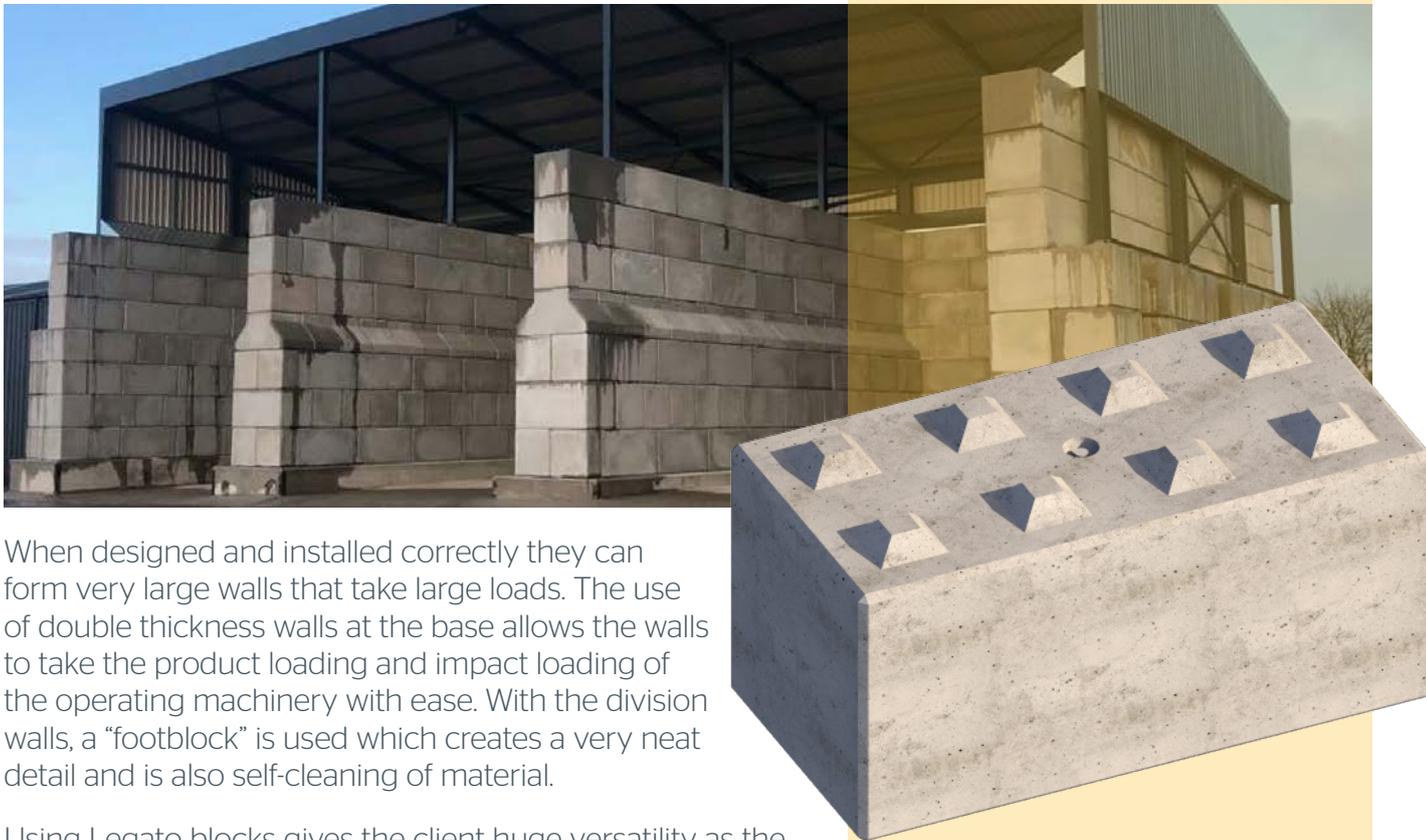
Gareth Neale
Director
RSG Structures Ltd



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Elite Precast's high strength Legato block was the obvious choice. Standard blocks are cast from high quality 50N/mm² concrete and are 1.6m x 0.8m x 0.8m, weighing 2400kgs.



When designed and installed correctly they can form very large walls that take large loads. The use of double thickness walls at the base allows the walls to take the product loading and impact loading of the operating machinery with ease. With the division walls, a "footblock" is used which creates a very neat detail and is also self-cleaning of material.

Using Legato blocks gives the client huge versatility as the concrete plinth is the only part of this bunker complex that can't be unbolted and taken away to be reconstructed on another site.

RSG Structures are also pleased to announce the launching of an industry first inspection service called SiteSafe.

Where clients have existing walls (constructed from interlocking blocks, timber sleepers, L shapes, panels or anything else) they can organise a SiteSafe report which includes a site survey to observe current wall layouts, systems, the types, designs and how walls are being used.

For further information, please contact:

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For RSG Structures please contact
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or call Gareth on 08452 997597

"The legato blocks are very simple to reconfigure into different heights and layouts which is what makes it such a versatile product. Times change very quickly and the ability to have an easily adaptable walling system is invaluable."

Gareth Neale
Director
RSG Structures Ltd



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