

TIDES REACH, CORNWALL

Stanchura Ltd was established in 2015 as a company specialising in Insulated Formwork Construction (ICF). As the company grew, it became clear that it would benefit them to add structural waterproofing as a service, since so many of their projects involved basement construction. Company director, Dane Campbell, successfully completed the Property Care Associations CSSW examinations in July 2016, which added Certified Structural Waterproofing Surveying to the company portfolio. Stanchura Ltd are a Triton approved installer.

The property is designed specifically for the high-end holiday rental market, and the complex and intriguing design maximises the expansive sea views.

An inverted living accommodation design meant five double en-suite bedrooms formed the basement part of the project, and the high value of the property meant particular attention to the waterproofing design was paramount. The entire building is built on a sand dune which necessitated a reinforced concrete raft design on multiple piles.

The property is built entirely from insulated concrete formwork and is a highly insulated airtight superstructure providing u/values of 0.18 w/m²k.

The full Triton Cavity Drain Membrane Type C system was used as well as **Triton TWS-EX100** under the reinforced concrete raft and **Triton TT Vapour Membrane** with **Platon Double Drain** on the external walls.

The structural engineers design of a heel at the floor/wall junction meant specific attention to detailing was required externally. The use of our liquid applied **Triton TT Vapour Membrane** meant the detailing was achieved easily, but with no compromise on the integrity of the system. Multiple layers of the liquid applied system provided an excellent, completely waterproof result.



Large slab area ready to be poured in concrete waterproofed by Triton TWS EX-100 membrane.

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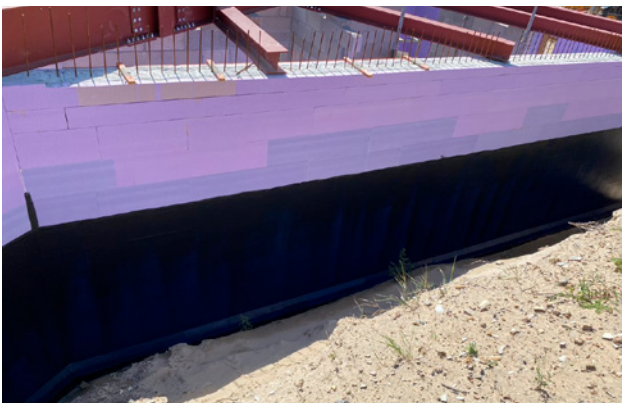




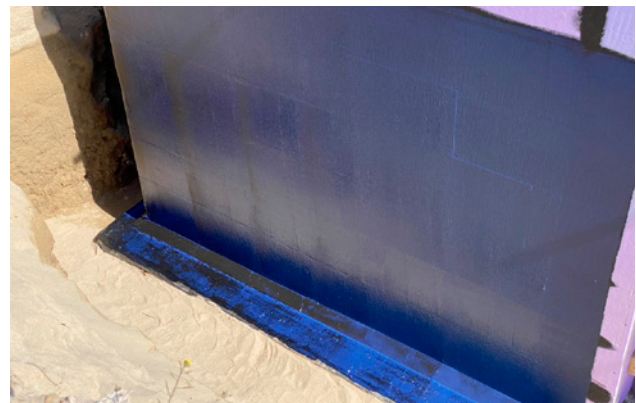
Triton P8 wall membrane with internal timber studwork installed ready for dry lining.



Installed ICF blocks protected by Triton Double Drain.



ICF blockwork both above ground and below ground with Triton TT Vapour Membrane externally applied, protected by Triton Double Drain.



Triton TT Vapour Membrane protecting the ICF blocks prior to installing Triton Double Drain Membrane.

Triton Systems

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