

# TCRC Case Study: Clifftops Apartments, Dorset



## Complete Waterproofing Solution for Stunning Clifftops Lodges

The exclusive Clifftops Apartments are situated on the picturesque cliffs of Portland, Dorset, along the UNESCO World Heritage Jurassic Coast.

Designed by Morrow + Lorraine Architects, this unique luxury lodge development offers stunning views and forms an integral part of the historic Pennsylvania Castle Estate.

### Long-lasting Protection with a Green Roof Finish

On this logistically challenging project, TCRC were chosen to install a comprehensive range of high performance waterproofing systems.

The high level roof featured a large entertainment terrace with a green roof perimeter. Here an inverted roof construction was specified onto which 330m<sup>2</sup> of Radmat's PermaQuik hot melt waterproofing system was installed, incorporating both XPS insulation and Quantum vacuum insulated panel technology. Attention to detail was essential as a number of glass balustrade posts also needed waterproofing. Following this, an extensive green roof finish was installed, including filter fleece, drainage layer, reservoir board and a special 125mm growing medium substrate to receive indigenous plug plant species from the immediate locality.

On the low level areas around the lodges, TCRC installed 160m<sup>2</sup> of Radmat's EshaFlex torch applied waterproofing with tapered insulation. A complimentary green roof was then added, incorporating Radmat's drainage and filtration layers along with 40mm reservoir board, 125mm substrate and sedum blanket finish with river wash pebble borders.

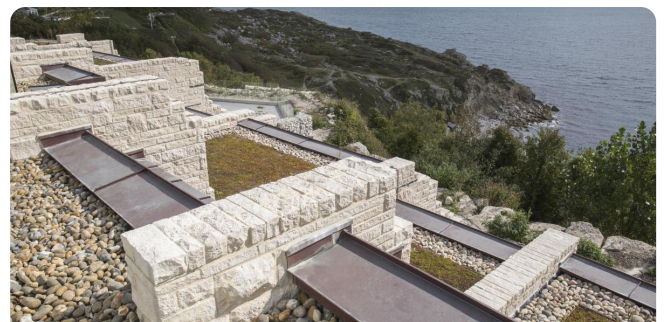
Overall this was another excellent TCRC installation on an ambitious, eye-catching project and one we are very proud to have completed.

**Project:** Clifftops Apartments

**Location:** Portland, Dorset

**Architects:** Morrow + Lorraine

**Products:** Radmat Hot Melt & Bituminous Waterproofing Systems  
Green Roof Finish & Accessories



The Complete Roofing Company Ltd  
Park House, 25 Park Row, Frampton Cotterell, Bristol, BS36 2BS  
(T) 01179 059876 (M) 07985 581500 (E) info@tcrc.uk  
[www.tcrc.uk](http://www.tcrc.uk)

