

DECK WATERPROOFING CASE STUDY Swansea, South Wales

WATERPROOFING A DECK, HENGOED CARE HOME

Waterproofing an exposed deck with Newton 902 Primer and Newton 201 RubberFlex

Project Details

Hengoed Care Home is situated in an elevated and exposed position overlooking Swansea bay. The Care Home Owners commissioned a large extension to the existing building which includes a balcony overlooking the bay and a small internal terrace courtyard area. Both were built above habitable basement accommodation. There was no requirement to waterproof the basement area due to the construction of a cut off wall; there was a requirement to waterproof the exposed balcony and terrace decks to prevent water ingress from above.

Newton Specialist Waterproofing Contractor Protectahome Ltd were commissioned to provide guaranteed waterproofing to the concrete surfaces of the decks prior to the main contractor laying the finished paving slabs totalling approximately 150m².

Methodology

The main contractor laid the new concrete decks to the appropriate falls and prepared the surfaces to receive the John Newton Deck Waterproofing System.

Protectahome then applied a coat of **Newton 902 Primer** to the exposed surfaces to prevent outgassing from the new concrete. Next they prepared the vertical/horizontal junctions and details with Newton Flexitape. The vertical surfaces of the concrete were then treated with **Newton 203 Rubberflex-V** before the main horizontal surfaces were treated with **Newton 201 Rubberflex**. Finally Protectahome covered the whole of the two deck areas with **Newton 207 Deckdrain**, which in turn was overlaid with bedded in patio slabs.

Result

Newton 201 RubberFlex is a 25 Year BBA Approved single part, cold applied liquid waterproofer which once cured provides a seamless completely waterproof polyurethane coating with amazing elastomeric qualities. The **Newton 207 DeckDrain membrane** with its double cusped profile helps protect the primary waterproofing below, by allowing free water to depressurise and provides two layers for drainage. *In combination this system will ensure that no water will pass through the building fabric of the decks ensuring that the internal areas stay dry and fit for habitable accommodation.*

Benefits

- Ease of application using hand tools.
- Quick drying with the use of Newton accelerants
- 25 Year BBA certificated waterproofing
- Long-term insured guarantee from an established waterproofing specialist.

NSBC Contractor: Protectahome Ltd



The new balcony overlooks Swansea Bay



Application of Newton 902 Primer to prevent outgassing from the new concrete



Application of Newton 201 RubberFlex liquid waterproofing membrane



The deck finished, ready for use and fully waterproofed to protect the internal areas below