



CASE STUDY – High performance insulant for car park soffits

BUFCA SUPPLIER: Isothane Ltd

THE SITUATION

Ardmore Construction were after an insulation solution for the car park soffits at Sovereign Quay, Eastbourne. This is directly underneath luxury harbour side apartments and had to meet Building Regulation standards.

The exposed, marine environment meant traditional mineral fibre sprays or board insulation could not offer long-term thermal efficiency or condensation control.

SOLUTION

The application of Pirthane was spray applied directly to the underside of the concrete soffit, at a thickness to achieve a U value of 0.25 W/m²K. This product is waterproof and will withstand the harsh marine environment without degradation. It complies with the requirements for a Class 0 surface spread of flame when tested to BS476.

A seamless layer of spray foam was permanently adhered to the concrete substrate, guaranteeing energy savings and effective condensation control for the life of the building.