

Temple Waterproofing

Oshwal Temple, Potters Bar

SCOPE

// Liquid-Applied Re-Waterproofing

DETAILS

// Temple roof

// Re-waterproofing to existing 300m² screed substrate

// Centaurs PU Warm Roof system with insulation and vapour control layer

Case Study // Roofing

Client | Saloria Architects
Role | Specialist Sub-Contractor

During: Removal Of Existing Waterproofing System

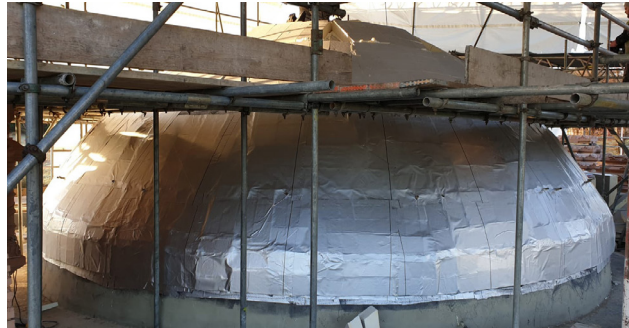


During: Reinstatement of Stone Structures

The scope of this refurbishment was to re-waterproof the roof which was suffering from water ingress into the intricate temple below.

The temple is set within 70 acres of countryside and is a traditional load-bearing sandstone and marble structure which had been hand-carved in India by over 200 stone masters. Upon examination of the existing waterproofing system, it was noted that there was no vapour control layer allowing the insulation to become saturated due to the water ingress.

During: Warm Roof Insulation & Vapour Control Layer

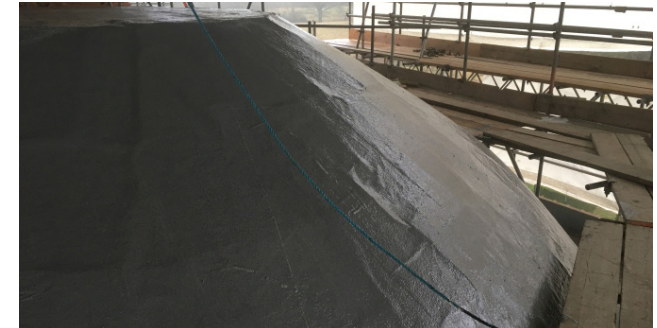


After: Fully Protected Warm Roof

Before the roof could be stripped back to the screed substrate, the stone structures and dome tiles had to be carefully removed in sections and securely stored to protect them from any unwanted damage while works were taking place.

Prior to the application of Centaur's PU Warm Roof system including Centech's SA Carrier membrane, a tapered insulation was implemented, enabling water to drain effectively ensuring there would be no issues with ponding water. Whilst enhancing the temples thermal performance.

During: Application Of Centaur's PU Waterproofing System



After: Waterproofing Temple Roof & Dome

The waterproofing system was applied seamlessly to the roof before quartz sand was scattered into the domes waterproofing layer allowing it to them be rendered so that the domes tiles and stone structures could be reinstated.

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