



SIKA AT WORK

FAMILY HOUSE, HAMMERSMITH, LONDON

ROOFING: Sika-Trocal Sika S-Vap 5000E SA and Sika-Trocal SGK

Sika-Trocal®



FAMILY HOUSE, HAMMERSMITH, LONDON



PROJECT REQUIREMENT

A new-build four bedroom family house in Hammersmith, London was built on an ex-industrial site, sheltered from the road by quiet residential gardens. Designed by award-winning vPPR architects, its unique roofing solution was developed to accommodate restrictions on the use of exterior windows in the perimeter wall.

The design involved seven pyramids of varying sizes with a vaulted roof light in each section. Each pyramid was deliberately positioned to throw light into different areas of the property, moving around according to the shifting angles of the sun; the morning light would flood into the kitchen, courtyard and breakfast areas, while the evening sun would illuminate the dining and library areas.

Due to the complex pyramid design, a neat finish around the edges was crucial. The mechanically fixed Sika-Trocal S system proved to be the optimum roofing solution, with a specialist team of up to three applicators working on the project over a period of five weeks.

SIKA-TROCAL SOLUTION

To enhance the architects' design and emphasise the pyramid shape of the roof, Sika-Trocal supplied its Type S membrane in both light grey and slate grey. With aesthetics an important consideration for the complex pyramid design, the specification of Trocal Metal helped to reduce membrane overlaps and provide a neat finish around the edges.

Each triangular section of the roof relied upon precise use of Trocal discs to ensure a uniform spacing pattern, this was key to help achieve a smooth appearance. Careful mitering was required along the numerous edges of each pyramid, the abutments, upstands and the base of the roof.

To further complicate the installation, all gutters fell at different angles so each section of Trocal Metal was ordered and numbered to ensure it was used for the correct slope. All gutter metals required fixing in a particular method to ensure a slight fall for drainage. Upon completion of the pyramid base detail, the correct colour membrane was laid with matching straps and corners, and lapped over or under depending on which face of the pyramid was being covered.

PROJECT PARTICIPANTS

Size: 200m²

Contractor: Ithaca Roofing

Architect: vPPR

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