

Project Study

Jacobson House - Dublin

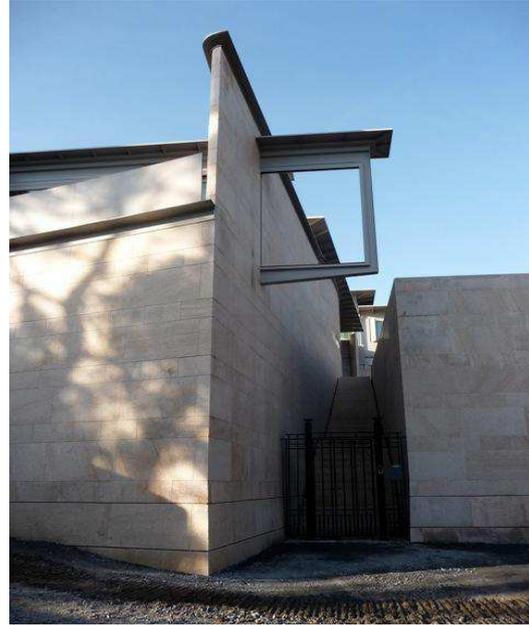
ZINGA®

(coated October 2007)

The finished house:



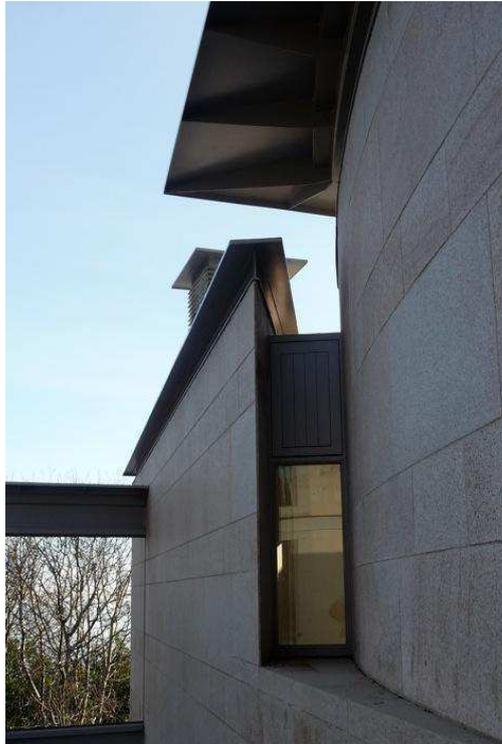
Front view of the house showing the steel canopy



More zingatised steelwork around the house



A side view showing the amount of steel used



Zingatised steelwork at the rear of the house

This house was built in the suburb of Killiney in Dublin, and it overlooks the harbour. The canopy and top roof panelling are all coated with the Zinga system.

The contractors were advised to zingatised and paint all of the window frames before the glass was installed as nothing could be done once the glass was in place.

The house has constant salt-air exposure from the sea.

This house cost just over €5 million to build, and the glass alone cost €2 million due to curved sections being manufactured. There is also interior steelwork that protrudes through to the outside, and also supporting beams that are covered in timber. In this way all of the steelwork was coated with Zinga and no cathodic/anodic areas are present anywhere in the house.

Specification: Blast-clean to SA2.5 @ Rz70µm & Ra 15µm. **First coat:** Zinga - 80µm DFT. **Sealer coat:** Alufer N - 80µm DFT (2 x 40 µm). **Finish coat:** vinyl emulsion

Note: Areas of beams that were encased in concrete did not have the Zinga coating sealed, as the zinc works extremely well when used in conjunction with concrete and prevents any 'corrosion creep' from taking place when the pore solution ph drops.

The house both before blast-cleaning and after zingisation:



Above: The steelwork above the curved glass in the living room



Above: The steelwork of the top edging-panels around the entire roof



Above: One of the edging panels after zingisation



Above: A view showing the H-beams that were hidden by brickwork



Above: Another section-view of the large roof area
The roof is going to be ergonomic, with a grass lawn being planted across the entire area of the roof.



Above: The massive steel canopy over the front door of the house

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