Metal Technology

Architect's home is a Grand Design

Northern Ireland

Metal Technology's infinitely recyclable architectural aluminium products featured in architect Patrick Bradley's specification for his new home. Showcased on Channel 4's programme, Grand Designs, the unique building comprises four shipping containers, welded together in the shape of a cross and cantilevered over a stream on his family farm outside Belfast. Working with fabricator Top Glass to Patrick's specification, Metal Technology supplied System 4-35Hi High Performance Thermally Enhanced Casement Windows and System 25 Hi + Lift and Slide Thermal Doors

Offering the specifier a sliding opener with pleasing site lines and all the benefits of weather performance, thermal enhancement and security, System 25 doors in conjunction with the correct glass specification aid compliance with the thermal requirements of current building regulations.The innovative polyamide thermal break profiles minimise heat transfer across window and door profiles, while thermal performance is further improved through the introduction of foam profiles that reduce radiation heat loss across the air cavities within the door profiles.

As a result, the 25Hi+ system offers significantly improved U-frame values over more traditional thermally broken aluminium systems. Both window and door systems use Polyamide thermal breaks produced from glass reinforced nylon sections designed to withstand temperatures in excess of 200°C, allowing the sections to be powder coated after thermally breaking.

Metal Technology offers dedicated architectural advisory consultation with comprehensive design advice. Metal Technology's Architectural Advisors look at the whole design and consider the influencing factors in tandem, always offering a fit-for-purpose value-engineered product that covers all aspects of the brief.

Systems Used

System 25 Hi+

System 4-35 Hi +

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