

LINN PRODUCTS



BAUDER BUILDING BOARD

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| Project | Linn Products |
| Location | Glasgow |
| Project Type | Refurbishment |
| Roof Area | 2,500m ² |
| Architect | Ramsay McMichael Consulting |
| Approved Contractor | W. G. Walker & Co Ltd. |

APPLIED PRODUCTS

- Thermofol 2.0mm single ply membrane has high tensile strength of over 1100N and can be guaranteed for up to 20 years depending on system type.
- BauderSOLAR's photovoltaic system, SOLfixx, weighs only 12.9kg/m² and is installed using a drill-free, non-penetrative process that upholds the integrity of the roof.



CHALLENGES

The roof area was badly damaged by heavy storms, with all existing ballasted solar panels lifting off the single ply roof and destroyed beyond repair. The client needed the remedial work completed to fixed deadlines in order to comply with insurance requirements, and wanted to optimise the roof by replacing the pre-existing photovoltaic (PV) array with a solar solution that would deliver superior energy generation. The office also had to remain operational throughout the works, creating logistical challenges.

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SOLUTIONS

Due to the building's exposed location, wind uplift calculations were performed prior to work commencing, making sure the new roof could resist extreme weather conditions. Bauder's high quality single ply PVC system, Thermofol, was specified because it is extremely robust and has a life expectancy in excess of 30 years. The PV array consisted of 166 modules, enabling the client to generate at least 38.67 Megawatt Hours of solar power each year. The simplicity of the installation process also meant that the entire array could be fitted in just two days, ensuring the refurbishment work adhered to the agreed deadlines.

"Bauder provided high levels of technical assistance throughout and delivered to the client a comprehensive waterproofing and PV solution of the highest quality. All works were completed on time and to budget, successfully transforming the badly damaged roof area into an aesthetically pleasing benchmark for roof sustainability."

Project specifier, Ramsay McMichael Consulting