



Kyroof Product sheet



Fire safety, high water resistance, and ease of installation form the foundation of the Kyroof in-roof system.

The Kyroof System uses prefabricated tongue-and-groove OSB panels with factory-applied fire-resistant EPDM. Solar panels are mounted using detachable brackets fixed at the back of the panel.

This mounting method creates a ventilated cavity beneath the panels, promoting efficient cooling. The hidden mounting also ensures a high aesthetic value.

The Kyroof System is suitable for installation between roof tiles. Filler panels can be used to complete the roof surface for a uniform and premium appearance.

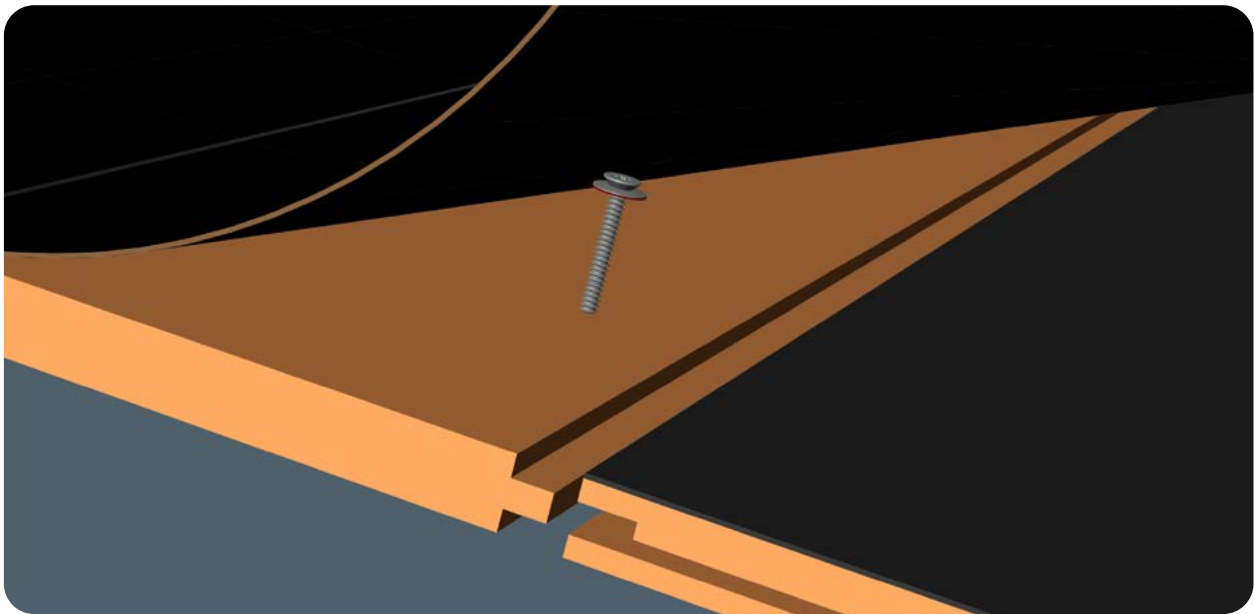
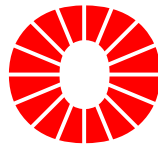


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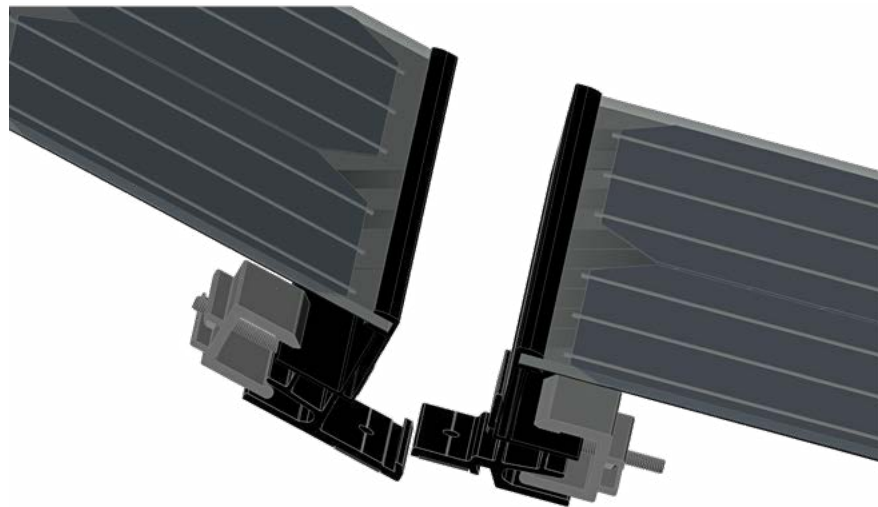
OSB-EPDM Panels

The tongue-and-groove OSB-EPDM panels form the foundation of the Kyroof System. The factory-applied EPDM is Broof(t1) certified, contributing to both the fire safety and insurability of the roof.

The OSB is produced from wood sourced from sustainably managed forests and is characterized by a high level of water resistance.

With dimensions of 2440 × 590 × 18 mm, the panels are easy to handle and safe to install. They are mechanically fixed, with an integrated EPDM overlap sealing both the screws and the tongue-and-groove joints.

The OSB-EPDM panels provide a durable and installation-friendly substrate that meets the requirements of a modern solar roof.



Solar panels

Power		460 Wp	270Wp
Dimensions		1762x1134x30mm	1542x777x30mm
Landscape	Working height	1164	807
	Working width	1770	1550
Portrait	Working height	1792	1572
	Working width	1140	782



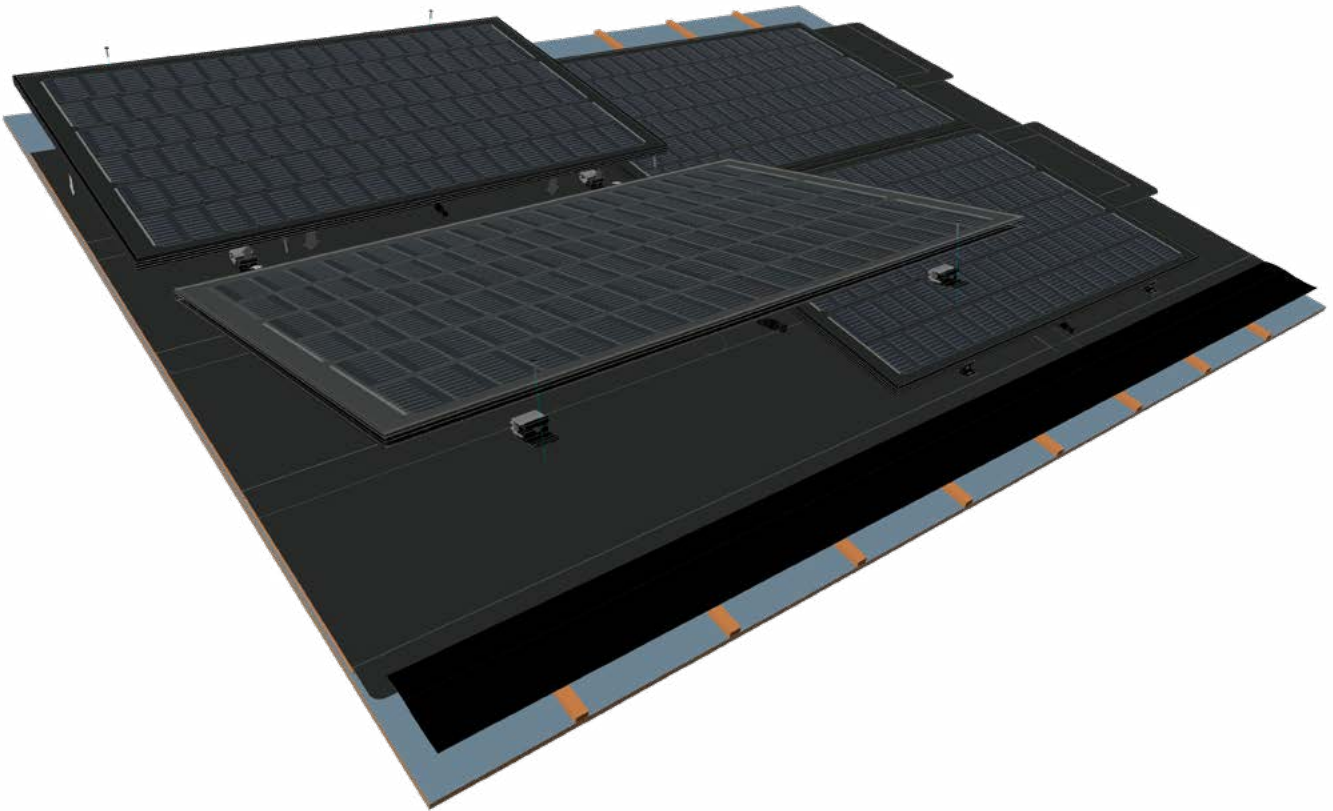
Example video

Brackets and Solar Panels

The Kyroof System is designed for use with standard solar panels. The mounting brackets are first attached to the back of the panel frame and then securely fixed to the OSB-EPDM panel.

Once installed, the brackets are completely hidden behind the panel. If removal is required, the clamp can be released from the side of the panel without damaging the seals between the bracket and the substrate.

In residential applications, full black solar panels with dimensions of 1762 × 1134 mm are most commonly used. For a more refined appearance, smaller panels such as 1542 × 777 mm may also be selected.



Application

When using OSB-EPDM panels, the roof's vapor construction must be carefully considered.

In residential buildings, a vapor-open structure is standard: vapor-tight on the inside and vapor-open on the outside. Since EPDM is vapor-tight, a ventilated cavity between the insulation and the OSB-EPDM panel is required. This is typically created by mounting the panels on battens, with openings at both the top and bottom to ensure proper ventilation.

When constructed correctly, EPDM allows for durable and reliable roof detailing. Elements such as lead flashings, metal trims, bird stops, and cable penetrations can be applied directly to the EPDM.

The Kyroof System offers a high-quality, safe, and visually clean solution for integrating solar panels into pitched roofs. Its prefabricated elements, engineered installation method, and durable materials ensure efficient installation and long-term reliability.

