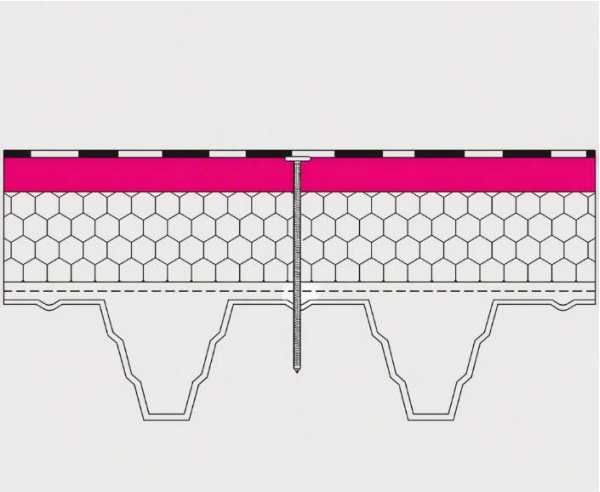
ALLSHIELD BARRIERSHEET® AVAILABLE BY OWENS CORNING
INSTALLATION GUIDELINE

Schematic drawing



1. Substrate
2. Vapor control layer
3. Insulation layer
4. Allshield BarrierSheet®, mechanically fixed
5. Waterproofing membrane, mechanically fixed

Key Characteristics of Allshield BarrierSheet®

Manufactured by Allshield Coatings B.V. and Distributed by European Owens Corning Fiberglass SRL

According to ETA 26/0097:

PRODUCT	Allshield BarrierSheet®
LENGTH (mm)	**2000** ±4
WIDTH (mm)	**1000** ±4
THICKNESS (mm)	**2,5** ±0,3
WEIGHT (kg/m²)	**3,0** ±0,45
REACTION TO FIRE	**A1** (EN 13501-1)
SHAPE	Flexible flat board/sheet
USE	Fire protective board in flat-roof assemblies.

Recommendations

- For technically correct implementation, relevant standards and guidelines of all the used products in the build-up must be observed.
- The build-up and tolerances of the substrate and insulation layer must comply with the relevant standards and guidelines.

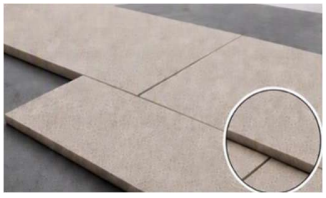
Based on third-party testing of specific rooftop PV roof configurations. Results apply only to the tested specimens and configurations and are not intended to predict performance in all roof assemblies. See technical documentation report ZAG REPORT 448/25-560-1-EN, Kiwa 24L0241/1, Efectis Broof(t1)2025-Efectis-R000982, FM approed 4470/4478 report PR472014.
This guideline is intended for professional installers and provides general installation guidance only. It does not replace project-specific design, structural or wind-load calculations, applicable laws, standards and approvals, or the installation instructions for other components of the roof assembly. The project designer, structural engineer and installer remain responsible for verifying the suitability of the complete roof build-up, determining the appropriate fastener type, number and pattern, and ensuring correct installation. Owens Corning does not control site conditions, substrates, accessory materials or installation workmanship and does not warrant the performance of the completed roof assembly.

- For installation at temperatures below +5°C, applicable national safety and installation regulations regarding handling, storage and installation of all the materials used should be followed. Always follow the product label and packaging instructions to ensure safe use.
- Appropriate measures must be taken to prevent any damage to the BarrierSheet during construction and installation..
- The waterproofing membrane must be installed immediately after the BarrierSheet. Under no circumstances may the BarrierSheet be allowed to become wet. At the end of each working day or during any interruption of the work, all exposed BarrierSheet surfacesrface as well as the front sides must be covered to protect against rain.
- BarrierSheet must not be installed on wet substrates or during wet weather conditions.
- All layers of the roof build-up must be installed in accordance with the respective manufacturers' guidelines and instructions.
- Installation must be performed by trained professionals. Please contact us, we can help you by providing the right support.
- Permitted fastening systems include: metal stress plates with metal fasteners or telescopic tubes with suitable fasteners. Please contact us for guidance on selecting the appropriate fastening system.

Installation



Substrate preparation: The substrate must be clean, smooth and free from debris, sharp edges, moisture, standing water and oil. Uneven or soft insulation must be levelled before the BarrierSheet is installed.



Install Allshield BarrierSheet® with tightly butted joints in a staggered-bond pattern. Ensure that the BarrierSheet sheets are placed tightly against each other, with no gaps between adjacent sheets. Lay the BarrierSheet flat and without deflection.



Temporarily secure each BarrierSheet with a minimum of six fasteners. The final number and fastening pattern must be determined by project-specific calculations. The required number and pattern of fasteners must be calculated by a qualified structural engineer, taking into account the wind load, building height, supporting structure, project location and applicable standards. Ensure that the screws are flush with the surface and are not overdriven.



Install the mechanically fixed waterproofing membrane in accordance with the manufacturer's guidelines and instructions.

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LAST UPDATE: October 16th 2026 – for all the latest information please consult our webpage.