

Polykraft Moisture Barrier

Product Datasheet

Product Description

The Polykraft Moisture Barrier is a factory-laminated protective layer designed to separate metal surfaces from insulation materials. It reduces direct contact between moisture and corrosive substances and the metal surface, thereby helping to protect against galvanic corrosion, chemical corrosion and crevice corrosion*.

The moisture barrier consists of a kraft paper–polyethylene laminate. Due to its low water vapour permeability, it is suitable for applications where reliable protection against moisture and corrosion is required.

*Crevice corrosion:

A form of corrosion that can occur in narrow crevices or concealed areas of metal surfaces. It is caused by differences in oxygen concentration within the electrolyte present. This results in localised corrosion cells, which lead to increased material attack, particularly in areas with low oxygen levels.

Technical Specifications

Material	Kraft paper–polyethylene laminate
Film thickness	approx. 76 µm (3 mil)
Water vapour permeability	Low
Adhesive strength	High
Mechanical resistance	Good
Decomposition temperature	> 180 °C
Auto-ignition temperature	> 260 °C

Properties

- + Protection against moisture ingress
- + Reduced risk of corrosion
- + Protection against galvanic corrosion
- + Protection against chemical corrosion
- + Protection against crevice corrosion
- + Low water vapour permeability
- + High adhesive strength
- + Good mechanical resistance

Areas of application

- + Industrial insulation
- + Energy and process plants
- + HVAC systems
- + Building services equipment
- + Metallic cladding and panelling systems

Disclaimer

Our products are based on careful research and reflect the current state of the art. The data and information are provided to the best of our knowledge, but without guarantee. All values given are average values, not maximum or minimum values, and do not constitute a guarantee. Changes and deviations are possible; we expressly reserve the right to make technical adjustments.

It is the responsibility of the user to independently check the suitability of the product for the respective application before use.

We accept no liability for errors, inaccuracies, omissions or changes. Furthermore, the applicable regulations, rules and DIN standards must be observed.

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