

Polysurlyn Moisture Barrier

Product Datasheet

Product Description

The Polysurlyn 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 co-extruded film made from polyethylene and Surlyn® polymers. Due to its low water vapour permeability and virtually pore-free structure, it is particularly suitable for applications with increased requirements for moisture and corrosion protection.

*Crevice corrosion:

A form of corrosion that can occur in narrow gaps or concealed areas of metal surfaces. It is caused by differing oxygen concentrations 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	Co-extruded film made from polyethylene and Surlyn® polymers
Film thickness	approx. 76 µm (3 mil)
Water vapour permeability	Very low
Pores / defects	Virtually none
Decomposition temperature	> 210 °C
Auto-ignition temperature	> 315 °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
- + Virtually pore-free film structure
- + Suitable for use at elevated temperatures

Areas of application

- + Industrial insulation
- + Energy and process plants
- + Petrochemical plants
- + Power stations
- + Offshore applications
- + HVAC systems
- + Building services

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.

The use of texts, images and drawings, even in part, is not permitted without consent.

Our General Terms and Conditions (GTC) apply exclusively.