ProTech Global

Technical Data Sheet

PROFOIL50™

50 Micron Aluminium Pure Foil For Professionals

Product Description

Our premium grade 50 micron aluminium pure foil product is extensively used with thermal insulation as a vapor barrier and reflective layer for mineral wool facings, lamella mats and pipe covers. Our ProFoil50 is also used as a barrier foil on stainless steel pipe to help prevent stress fracture.

The technically advanced aluminium pure foil has extremely high heat reflection characteristics making it ideal for use as a jacketing material in a thermal insulation system. Environmentally friendly and recyclable product for the environmentally conscious professional.

Characteristics & Advantages

- Construction material class A1 in accordance with DIN 4102
- Manufactured according to standards DIN 1784, EN 485, EN 546 & EN 573
- Alloy: EN AW – 1050A
- Corrosion resistant
- Resistant to a range of chemicals
- Physiologically and bacterially neutral; no breeding ground for bacteria and vermin, therefore no influence or damage to the human or animal organism
- Extremely high heat reflection
- Absolute gas and water vapor-tight.
- Not flammable according to V SIA norm 183/2

Product Data

Item	Value	Standard
Product Thickness	50 microns	
Tensile Strength	45-95 N/mm	
Elongation	>4%	
Water Permeability	0.00 g/m2/d	
Puncture Resistance	>50 newtons	
Service Temperature	Up to 600˚C	
Tearing Strength	>99 newtons	
Fold bending according to SIA N280	-10˚C	
Tolerance Thickness	+8%	
Tolerance Width	+2 mm	
SD Value	>1500 µm	

Product Range & Sizes

Name	Colour	Micron	Width (mm)	Length(m)
PF50500	Silver	50	500	60
PF501000	Silver	50	1000	60

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Installation Guidelines

Coverage	1 x 500mm roll equates to 30m² 1 x 1000mm roll equates to 60m²

Surface preparation: Ensure all surfaces are dry and clean, free from dirt and dust, grease, oil and silicones. The insulation materials should be installed to industry standards and sealed using one of ProTech Global's aluminum foil tapes, GT30HT or GTR55.

Method Statements: ProTech Global Ltd provides detailed method statements for use in various applications, and are available upon request. These must be referred to prior to commencing work.

Alternative Products

PROFOIL60™ provides a market leading solution, with increased durability providing long term performance and excellent appearance.

Legal Notices

The information, and, in particular, the recommendations relating to the application and end-use of ProTech Global Ltd products, are given in good faith based on ProTech Global Ltd.'s current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with ProTech Global Ltd.'s recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. ProTech Global Ltd reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

About ProTech Global Ltd

ProTech Global Ltd is a UK based company that has manufactured anti-corrosion products for over 25 years. With many years' experience in differing types of protection scenarios, ProTech Global Ltd has a reputation as a trusted supplier and partners with many Corporations worldwide.

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