



# WAPROSEAL

## GENERAL INFORMATION

Premiumfol Waproseal is a high-quality and versatile lead substitute for waterproof and windproof sealing of various connections. Premiumfol Waproseal is quick and easy to apply thanks to its self-adhesive backing and additional butyl strips. Premiumfol Waproseal consists of two layers of thermoplastic material covering the aluminium stretch metal. The upper layer is weatherproof, while the sticky lower layer provides good protection against leaks. The very soft stretch metal provides additional strength and also offers excellent pliability of the material due to the high elongation of the aluminium stretch metal used in Premiumfol Waproseal.

## APPLICATIONS

Premiumfol Waproseal is suitable for waterproof and airtight sealing of:

- Chimneys
- Dormers
- Skylights and light domes
- Solar panels

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## AVAILABILITY

Premiumfol Waproseal is available in the following version (other sizes and colours on request):

Dimensions (lxwxt)	Article Number	Ral colour
5000 x 280 x 2 mm	WKFEP300-2028	7043 ( anthracite)

## RELATED PRODUCTS

Name of the product	Dimensions	Article Number	EAN-Code
Premiumfol EPDM Scissors	-	WKFEP400-0004	8713331011707
Premiumfol Combi seam roller 45 mm / 6 mm	45 mm / 6 mm	WKFEP400-0007	8713331015149
Premiumfol Adhesive & Sealant 290 ml	cartridge 290 ml	WKFEP400-0080	8713331027906
Premiumfol Compression profile with slotted holes	48 mm x 2500 mm	WKFEP201-1060	8713331029139

## BENEFITS

- ✓ Very quick and easy assembly possible due to two additional butyl strips (high initial initial adhesion) and adhesive coating over entire backing,
- ✓ No lead beater necessary due to good pliability,
- ✓ Many applications possible thanks to high elasticity, low thickness and adhesion to most substrates common in the construction industry,
- ✓ Long durability due to high resistance to extreme weather conditions and UV exposure,
- ✓ Mechanical damages are easy to repair due to self-vulcanising effect,
- ✓ No adhesive or mechanical fastening is required for interconnecting or overlapping sections of Premiumfol Waproseal due to this self-vulcanising effect,
- ✓ Premiumfol Waproseal does not contain any hazardous substances.

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## APPLICATION

Premiumfol Waproseal has the same applications as traditional lead on the roof. In addition, Premiumfol Waproseal is widely applicable as a water barrier. The lead substitute is stretchable lengthwise and widthwise according to indicated specifications. When positioning and applying the Premiumfol Waproseal, take into account the maximum stretch in both directions and ensure that the lead replacement is applied tension-free. Always apply Premiumfol Waproseal in a scaly, tile-like, water-draining manner.

### Storage:

Store Premiumfol Waproseal in dry place at -10°C to +30°C, in the original packaging, and for a maximum of 24 months after production date. At low temperatures, the hardness of the product increases. We therefore recommend acclimatising the product at low temperatures for at least 2 hours at a temperature above 15°C and processing from +5°C to a maximum of +40°C.

### Application: roof tiles and internal walls

The surface to be sealed should be cleaned and degreased before bonding. The lead replacement should be applied on one line parallel to the basic shape of the roof or object to be sealed. Always measure the area to be covered first. Premiumfol Waproseal can be cut to size using Premiumfol Scissors. Cut the required length and remove the top part of the protective backing film.

Remove the first (upper) part of the protective backing. Place the lead replacement in the desired location and firmly secure the top butyl strip and carefully remove the remaining protective backing. Make sure that you only expose the butyl adhesive of the part you are currently working on.

To get the best fit, knead the Premiumfol Waproseal, stretching the aluminium insert over the roof profile. It is important that it fits tightly to the substructure. Use the Premiumfol Pressure Roller to apply distributed pressure to the lead substitute. Premiumfol Waproseal is quick and easy to apply without special tools, such as a lead knocker. Now firmly press the lower butyl strip as well to create a watertight seal against the roof.

When joining sections of Premiumfol Waproseal together, ensure an overlap of at least 75 mm and press with the pressing roller (maximum application length in one piece = roll length). Premiumfol Waproseal will bond immediately and set permanently in about 10-20 minutes. For connections to roof tiles, an overlap of at least 100 mm on the tiles (at least 120 mm for flat tiles) and at least 200 mm at the sides should be maintained.

### Application: exterior walls

For applications where the roof is adjacent to an exterior wall, e.g. on a parapet, facade or chimney, the same beginning applies; then again remove the first (upper) part of the protective backing and install the lead replacement, as indicated above. At the same time, fix the Premiumfol Waproseal mechanically to the structure behind (wall or chimney) using a compression profile. Seal it at the top with Premiumfol Adhesive & Sealant to guarantee water tightness. Press Premiumfol Waproseal straight down against the structure behind and then fold the lead replacement at an angle to the roof tiles.

Then remove the remaining protective film from the backing and position Premiumfol Waproseal in a straight line over the highest wellen of the roof tiles. Then press the lead substitute again firmly on the highest whelps at the location of the butyl adhesive strip and then form the lead substitute over the roof tiles and use the Premiumfol Pressure roller to press the lead substitute firmly and evenly. Cut the lead substitute diagonally to the bending line, for an attractive corner finish if there is application at a chimney. Subsequently, Premiumfol Waproseal can also be used for sealing upright brickwork. Round off the corners neatly when cutting.

### Substrates:

Premiumfol Waproseal adheres quickly to most substrates common in construction, such as ceramic and concrete roof tiles, steel, aluminium, zinc, stone, wood and plastic. Premiumfol Waproseal is not suitable as a sealing material for flat roofs or on a bituminous surface. The butyl adhesive strips cannot be fixed on a metal surface exposed to direct sunlight without additional mechanical fixing. When using chemical agents (oils, acids, alkalis and solvents) test first on Premiumfol Waproseal. If in doubt about chemical agents or applications Premiumfol Waproseal should first contact your supplier.

## SPECIFICATIONS

Properties	Test standard	Performance
Tensile strength [N/mm]	EN 12311-1:2001	
• Tensile strength at (maximum) 55% elongation (length)		> 3,0
• Tensile strength at (maximum) 10% elongation (width)		> 4,0
Adhesion [N/10 mm]	EN ISO 29862:2019	
• Backside of the tape		≥ 3,0
• Butylstrips		≥ 10,0
Temperature resistance [°C]		-40 up to +90 and 1h of maximum 110 [°C]
Watertightness	EN 13111:2002	Passed
UV resistance	EN ISO 4892-2:2013-06	Passed, ≥ 1500 uur

## PRODUCT PROPERTIES & APPLICATIONS

 <p>Loodvrij Lead free Bleifrei Sans plomb</p>	 <p>Zelfklevend Self-adhesive Selbstklebend Auto-adhésif</p>	 <p>Snel en eenvoudig Quick and easy Schnell und einfach Rapide et facile</p>	 <p>UV-bestendig UV resistant UV-beständig Résistant aux UV</p>
 <p>Schoorsteen Chimney Kamin Cheminées</p>	 <p>Dakkapel Roof dormer Gaube Dormer</p>	 <p>Lichtvenster Skylight Oberlichtfenster Fenêtres de toit</p>	 <p>Muuraansluiting Against the wall Wandanschluss Contre les murs</p>