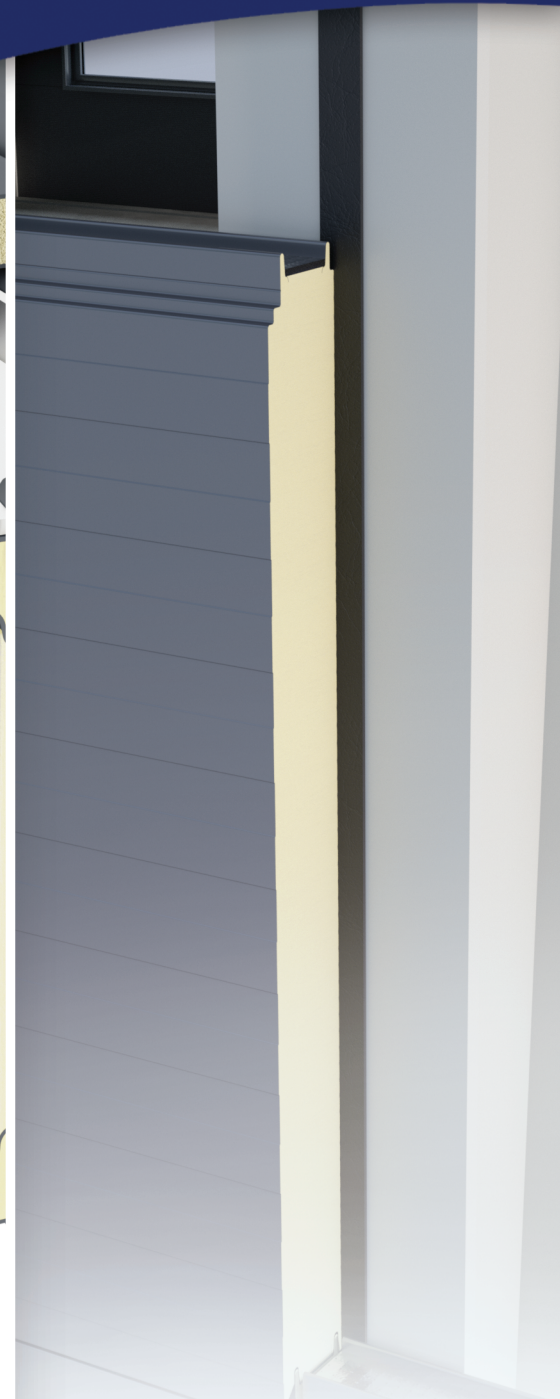


protective
films



sandwich
panel
**seals
and tapes**



RPES
**sealing
system**

www.rfoll.pl

R-FOLL sp. z o.o.

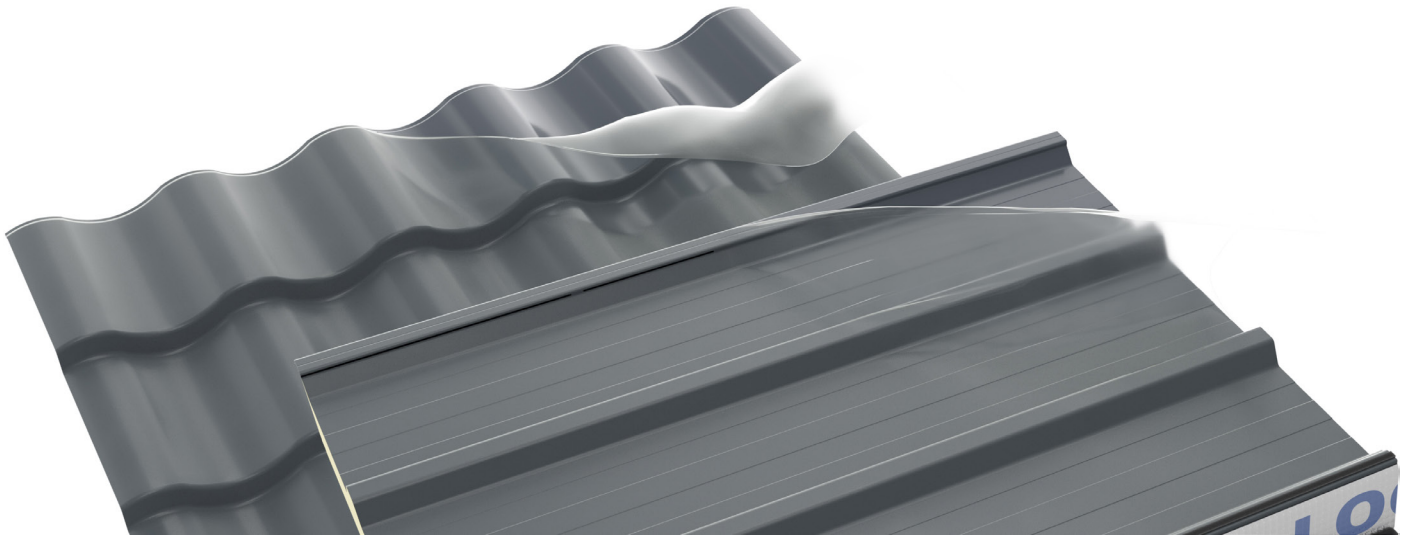
📍 32-010 Łuczyce, ul. Dworska 16

✉ **phone:** +48 12 346 42 96

☎ **e-mail:** biuro@rfoll.pl

Protective films manufactured by R-FOLL based on an adhesive polyethylene film are designed for protecting surfaces from mechanical and chemical damage.

Our films form a temporal barrier that absorbs scratches and cracks and blocks liquid and solid contamination such as dust, dirt, water, solvents, oils and glues.



The film is well suited for protection of surfaces during:

- machining
- grinding
- polishing
- milling
- moulding
- cutting
- bending
- welding
- painting
- gluing
- assembly
- transport
- storage

Our film is also well suited for protection of **any surface exposed to damage and contamination** during home renovations, such as walls, furniture, windows, parquet floors, panels, carpets, floor coverings, tiles, glazed tiles, ceramics, etc.

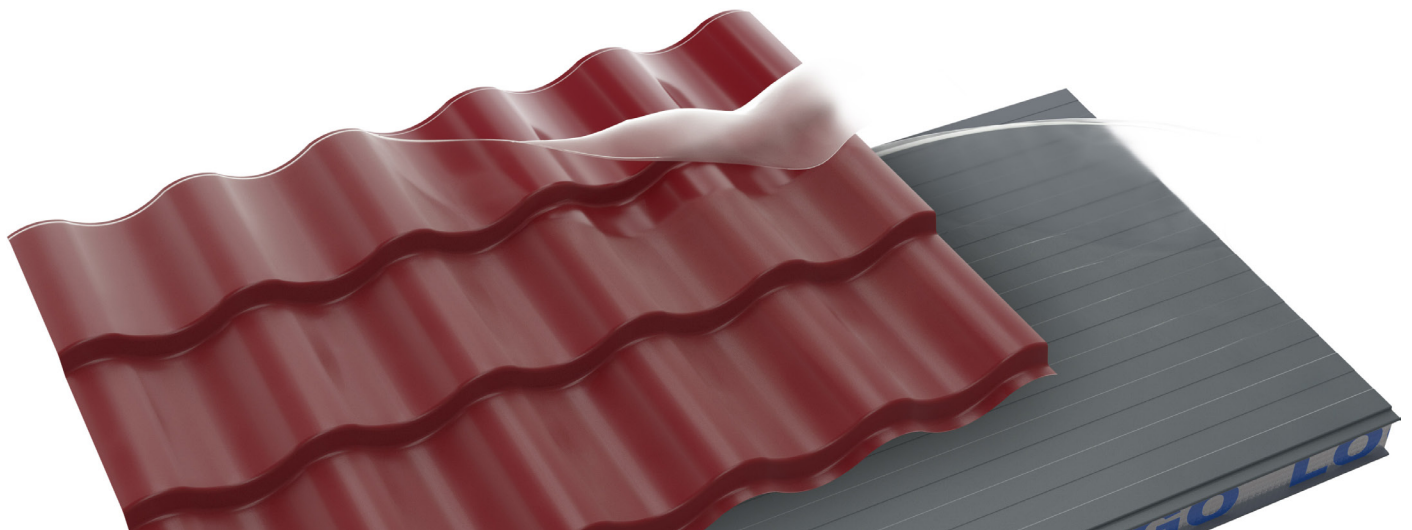
On our website, you can find guidelines on how to choose the appropriate film for the material you want to protect.

If you cannot find a dedicated film for the material you want to protect, it does not mean that we do not have the appropriate film in our offer.

We are always ready to send you film samples for testing.

The following list presents the standard materials which can be protected with our protective films:

- metallic surfaces (metal roofsheets, sandwich panels, metals sheet: lacquered, stainless, coloured, aluminium, zinc coated)
- plastic surfaces (ABS, PVC, Acryl, PET, POLYCARBONATES, other)
- glass surfaces (structural glass, window panes, decorative glass, LCD displays, other)
- wood, furniture boards, laminates (rough and lacquered wood, parquet floors, panels, MDF fibreboards, HPL laminates)
- other smooth surfaces (stone, ceramics, glazed and terracotta tiles)
- carpets and floor coverings



Characteristics of films	
Carrier	Polyethylene
Thickness	20-300 microns
Colour	Transparent, any colour
Width	10 – 1500 mm
Roll	10-3000 running metres
Roll core	Paperboard, internal diameter of 76 mm
Perforation	Perforation is possible
Overprint	4 colour printing

R-FOLL presents innovative solutions for seals and edge tapes intended for the production of sandwich panels with a polyurethane core.

Application:

Seals and tapes are applied onto the edges of a sandwich panel directly onto the core during the production.

Gas tightness:

Thanks to specially developed film recipe patented by R-FOLL, our products are gas-proof, thus enabling the polyurethane core properties to be maintained for a longer time.

Fire resistance:

Our tapes and seals are hardly-ignitable, thus providing better fire resistance of the board.

Water absorbability:

The polyurethane seal is characterised by low water absorbability, thus enabling boards to be installed in variable weather conditions.

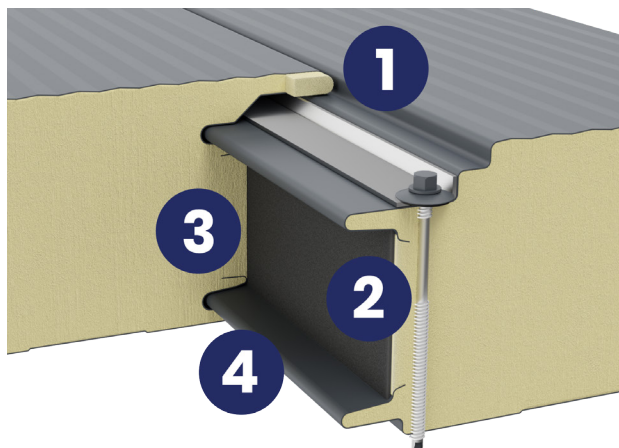
Insulating power

Our products ensure perfect board connections by minimising thermal bridges at contact areas between boards.

The EPDM seal used in cooling boards with a polyurethane core has the following benefits:

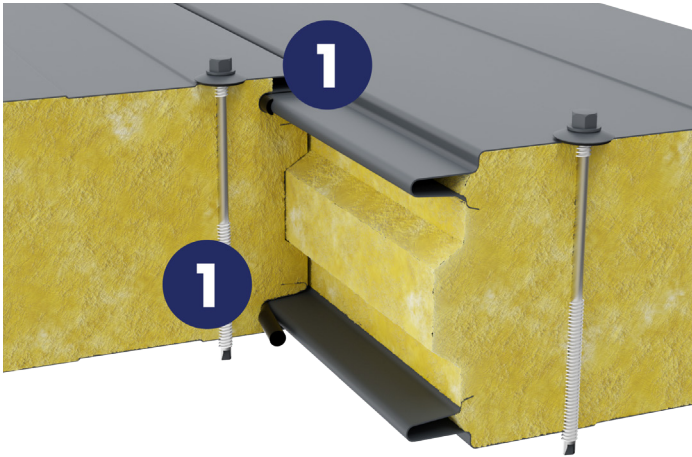
- resistance to moisture penetration (vapour barrier)
- gas tightness
- application directly on the line during the board production
- boards require no additional butyl sealants
- significant reduction of the installation time

Using R-Foll products in a wall sandwich panel with a polyurethane core.



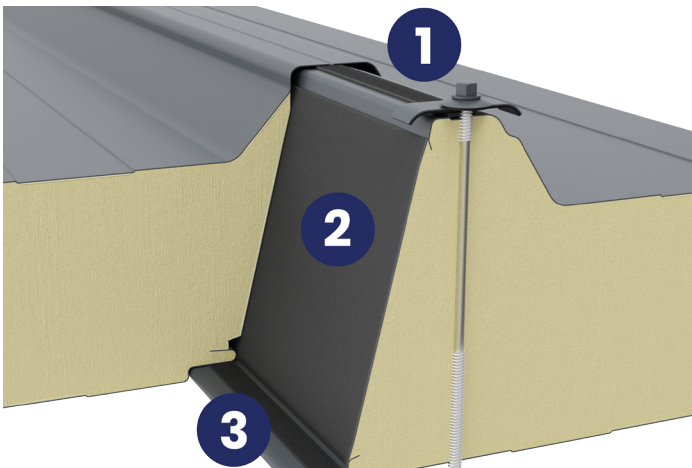
1. The PUF seal is applied onto the lock pane.
2. The polyurethane seal is applied onto the core.
3. The protective tape is applied onto the core.
4. The EPDM seal is applied into the lock.

Using R-Foll products in a wall sandwich panel with a mineral wool core.



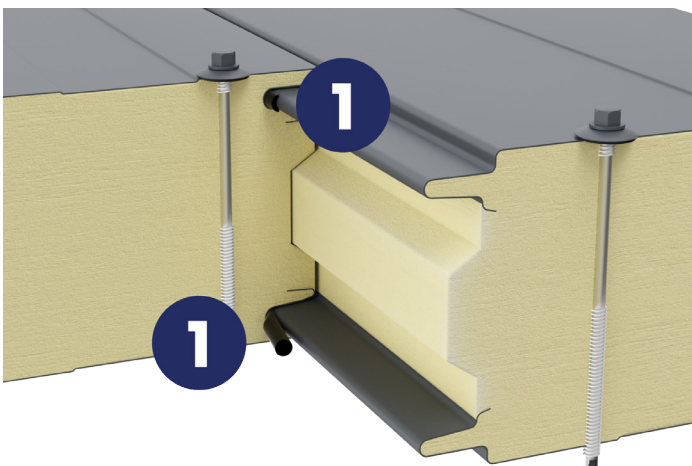
1. The EPDM seal is applied into the lock.

Using R-Foll products in a roof panel with a polyurethane core.



1. The polyurethane seal is applied onto the hump.
2. The polyurethane seal is applied onto the core.
3. The polyurethane seal is applied into the lock.

Using R-Foll products in a cooling board with a polyurethane core.



1. The EPDM seal is applied into the lock.

R-FOLL presents the RPES sealing system for levelling the contact area between the roof board and the purlin, which significantly reduces the structural noise accompanying the board work.

Another advantage of the RPES seal is the prevention of scratching of the board surface during the assembly as well as spreading of corrosion from the structure onto laminated boards during operation of facilities.

Application:

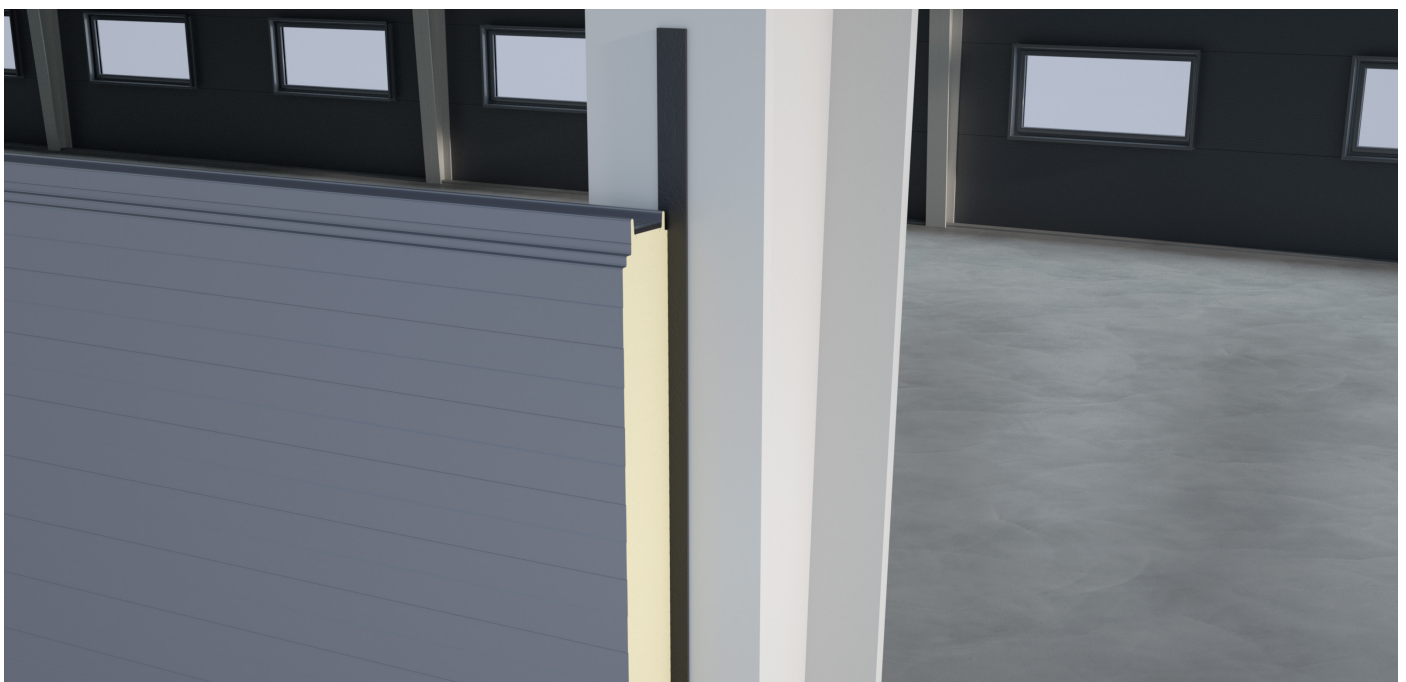
The RPES system is specially designed to be used when attaching laminated boards to steel structures.

Resistance:

Due to the use of the appropriate PE material with silicone liner, the tape is resistant to continuous temperature and water absorbability changes and has a high chemical resistance.

Assembly:

Apply the adhesive tape to the structure surface at the contact area with the inner board lining. The RPES tape adapts very well to irregular surfaces.



PROPERTIES	VALUE	UNIT
Density	30 +/- 3%	kg/m ³
Length	30 +/- 1%	running metre
Width	20 +/- 3%	mm
Thickness	3.1 +/- 0.15%	mm
Acrylic adhesive	17-19	g/m ²
Compression strength 10% deflection 30% deflection 50% deflection	>25 >75 >135 >250	%
Tensile strength Transverse Longitudinal	0.20 0.30	kPa
Ultimate elongation Transverse Longitudinal	70 75	%
Thermal conductivity	0.33	W/mK
Temperature resistance	-40 / +90	°C
UV resistance	6 months	
Installation temperature	Min. 5	°C



Dimensions	
Width	20 mm – 100 mm
Thickness	2 – 10 mm
Length	5 – 50 m
Colour	Graphite

R-FOLL sp. z o.o.

 32-010 Łuczycze, ul. Dworska 16

 **phone:** +48 12 346 42 96

 **e-mail:** biuro@rfoll.pl