

Technical Information Sheet



Rhenofol® C

Delivery form	Item Number
Thickness 1.5 mm, 15.00 m x 1.03 m per roll	12 83 550
<i>Note: For other colors, see price list</i>	

Description

Rhenofol C is a flexible polyvinyl chloride (PVC-P) waterproofing membrane in accordance with EN 13967, not compatible with bitumen (NB), application type DIN/TS 20.000-202 BA/MSB – nQ. It is a non-reinforced sealing membrane for detail application with Rhenofol CV/CG roofing membranes. Because of their excellent material properties, Rhenofol C waterproofing membranes can be installed as a single layer. The seam overlaps can be closed practically by solvent welding or hot air welding.

Preparation

Substrates need to be clean, smooth, dry, and free of sharp edges, loose or foreign materials, oil, grease, or other elements that may damage the membrane.

Application and processing

Install the waterproofing membrane in accordance with the current Rhenofol installation guidelines, details and execution requirements. All seams are welded using hot air or solvent. Allow all welded joints to cool sufficiently before inspection. Please observe the Rhenofol installation guidelines and the Rhenofol technical manual. The installation of the roof waterproofing should be carried out by trained installers.

Properties

Physical

- Roofing membrane according to EN 13967
- Weather resistant
- Good UV resistance
- Reaction to fire: Building material class B 2, DIN 4102 or class E, EN 13501-1
- Resistant to common industrial and heating exhaust gases
- Outstanding resistance to natural ageing
- High reparability over the entire life cycle
- Not resistant to: bitumen and tar-containing materials; organic solvents such as benzene and toluene. Incompatible with polystyrene hard foam.
- Quality assurance: Rhenofol C is subject to constant quality control through internal and external monitoring. The internal quality assurance system of the entire company is certified according to EN ISO 9001, the world's stringent quality standard, and is regularly audited by TÜV SÜD Management Service GmbH. It also has certification in accordance with the EN ISO 14001 environmental management system.
- FPC certificate no.: 0761-CPR-1069

Technical	Test method	Thickness 1.5 mm
Visible defects	EN 1850-2	None
Length	EN 1848-2	15 m (-0% / +5%)
Width	EN 1848-2	1.03 m (-0.5 % / +1%)
Effective thickness	EN 1849-2	1.5 mm (-5 % / +10%)
Straightness	EN 1848-2	< 50 mm
Flatness	EN 1848-2	< 10 mm
Basis weight	EN 1849-2	1.88 kg/m ² (-5 % / +10%)
Watertightness	EN 1928 (B)	≥ 400 kPa/72 h
Tensile strength	EN 12311-2 (B)	≥ 10 N/mm ²
Elongation	EN 12311-2 (B)	≥ 300 %
Resistance to static load	EN 12730 (A/C)	≥ 20 kg
Resistance to impact	EN 12691 (A/B)	≥ 600 mm ≥ 600 mm
Joint shear resistance	EN 12317-2	≥ 600 N/50 mm, tear-off outside the welded seam
Folding at low temperatures	EN 495-5	≤ -30 °C
Dimensional stability	EN 1107-2	≤ 2.0 %
Reaction to fire	EN 11925-2 EN 13501-1	Class E
Water vapour permeability μ	EN 1931(B)	≥ 18,000 +/- 30 %
Nail pull-out strength	EN 12310-1	≥ 300 N
Resistance to root penetration	FLL EN 13948	passed

Durability of water tightness against chemicals	EN 1847 (28d/+23 °C) EN 1928 (B) (24h/60kPa)	passed
Durability of water tightness against ageing	EN 1296 (12 w) EN 1928 (B) (24h/60kPa)	passed
Dangerous substances	See footnote ¹⁾	

Note: As European standards are constantly evolving, please contact our technical department or visit www.fdt.de for the latest information on physical properties.

1) European harmonized standards for testing methods do not exist, therefore the testing and declaration for the release of substances must be obtained in regards of national regulations/requirements.

Storage

- The waterproofing membranes retain their product properties in unopened and undamaged original packaging
- Store material in the original packaging until processing
- Carefully reseal opened packaging units when storing outdoors
- Store rolls horizontally only
- Protect rolls from direct sunlight, rain and snow

Shelf life

The roofing membranes do not have a best-before date. When stored properly in their unopened and undamaged original packaging, they retain their product properties over a long period of time.

Packaging and disposal

Waste from this product does not constitute hazardous material. National regulations must be observed.

Waste-Key numbers (AVV) for the Rhenofol C synthetic waterproofing membrane:

- 170904 (Mixed construction- and demolition waste)
- 200139 (Plastics)

Precautions and occupational safety

Take care when moving, transporting and handling to avoid sources of punctures and physical damage. A safety data sheet is not required for this product.

Transport

The roofing membranes are usually transported on wooden pallets.

Legal Notice:

We refer emphatically to the fact, that all details mentioned, especially the application and utilization recommendation for the products and their system accessories, have been developed under normal conditions, and based on our knowledge and experience. Appropriate storage and usage of the products are assumed. A warranty or reliability of a finished project cannot be deduced because of varying materials, substrates and differing work conditions, neither by any indications nor from verbal statements, irrespective of any legal positions. For the possible accusation that FDT acted intentionally or grossly negligent, the user has to supply evidence that they provided FDT with all information and details necessary for an appropriate and correct evaluation through FDT in written form, immediately available and complete. The user is responsible for ensuring that the products are suitable for the given application. It is FDT's right to change product specifications without notice. Property rights of third parties are to be considered. In addition, our particular sales and delivery terms are valid. The latest version of our product data sheet is obligatory, which can be requested directly through FDT. All information as well as all technical and drawing data comply with current technical standards and are based on our experience. National standards and regulations must be observed.

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