

Data sheet

Rhenofol® CGv



Product name:	Rhenofol® CGv
Application type acc. to DIN SPEC 20000-201:	DE/E1 PVC-P-NB-E-GV-K-PV-1.5
Manufacturer/supplier:	FDT Flachdach Technologie GmbH Eisenbahnstraße 6 – 8 68199 Mannheim Germany
Production plant:	Mannheim
Type of application:	As roof waterproofing membrane for mechanically fastened or bonded roofs or roofs under ballast, except of green roof systems, for any roof pitch. For installation, the application guidelines of the manufacturer have to be observed.
FPC certificate no.:	0761-CPR-1068
European standard:	EN 13956:2012
Product description:	Non-bitumen compatible PVC-P roofing membrane with glass fleece reinforcement and polyester fleece lamination on the underside. The thickness of the sealing layer is 1.5 mm.
Standard membrane dimensions:	15 m × 2.05 m × 2.1 mm

Rhenofol® CGv 2.1 mm
DE/E1 PVC-P-NB-E-GV-K-PV-1.5

Essential characteristics	Performance	Test Standard
Reaction to fire	DIN EN 13501-1	Class E
Water vapor property μ	DIN EN 1931 (B)	$\geq 18,000$ +/- 30 %
Tensile strength	DIN EN 12311-2 (A)	≥ 600 N/50 mm
Elongation	DIN EN 12311-2 (A)	≥ 40 %
Joint peel resistance	DIN EN 12316-2	≥ 250 N/50 mm
Joint shear resistance	DIN EN 12317-2	≥ 600 N/50 mm (tear off outside the joint seam)
Resistance to impact rigid substrate flexible substrate	DIN EN 12691 (A/B)	$\geq 1,000$ mm $\geq 2,000$ mm
Resistance to static load	DIN EN 12730 (A/B)	≥ 20 kg
Hail resistance rigid substrate flexible substrate	DIN EN 13583	≥ 17 m/s ≥ 17 m/s
Tear resistance	DIN EN 12310-2	≥ 150 N
Dimensional stability	DIN EN 1107-2	≤ 0.2 %
Foldability at low temperature	DIN EN 495-5	≤ -30 °C
Chemical resistance	DIN EN 1847	passed
UV exposure	DIN EN 1297	Class 0 (5,000 h)
Water tightness	DIN EN 1928 (B)	≥ 400 kPa/72 h
Dangerous substances	see footnote ¹⁾	

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

Product information

Rhenofol CGv - roofing membrane especially for bonding and mechanical fastening directly on EPS.

Rhenofol CGv consists of the roofing membrane Rhenofol CG with a sealing layer thickness of 1.5 mm according to DIN EN 13956 and a 200 g polyester fleece laminated on the underside. For welding the longitudinal seams, Rhenofol CGv has a fleece-free edge on one side. The cross joints must therefore be covered with a 100 mm wide strip of Rhenofol CV/CG. Rhenofol CGv can be glued directly to the substrate (e.g. un laminated EPS) with the FDT roofing membrane adhesive or mechanically fastened.

Material characteristics

- Roofing membrane according to DIN EN 13956
- Non-shrinking according to DIN EN 1107-2 testing
- Weather-resistant
- Resistant to UV radiation
- Reaction to fire: class E according to DIN EN 13501-1
- Resistant to common industrial and heating exhaust gases
- Outstanding resistance to natural ageing
- Can be laid directly on un laminated polystyrene insulation
- High reparability over the entire life cycle
- Good resistance against red algae
- Resistant to flying sparks and radiant heat according to DIN CEN/TS 1187, confirmed by official test certificates, for any roof pitch

Not resistant to:

Bitumen and tar-containing materials; organic solvents such as benzene, toluene, hydrogen chlorides; fats, oils, such as oily cements and forming oils. Not compatible with rigid polystyrene foam.

Quality assurance

Rhenofol CGv is subject to constant quality control through internal and external monitoring. The internal quality assurance system for the entire company is certified according to DIN EN ISO 9001, the world's most stringent quality standard, and is regularly checked by TÜV SÜD Management Service GmbH.

Range of application

Rhenofol CGv can be used for mechanically fastened or bonded roofs or roofs under ballast, with the exception of green roof systems. It is suitable for flat roofs in new buildings and in refurbishment.

Storage conditions

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

FDT legal notice

We refer emphatically to the fact that all the 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 deducted 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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