

# Rhenofol® CGv



**Data Sheet**  
Roofing  
membranes

Rhenofol CGv is composed of the Rhenofol CG roofing membrane with an initial thickness of 1.2 mm or 1.5 mm and a 200 g/m<sup>2</sup> polyester fleece thermally laminated onto the underside.

For welding the longitudinal seams, Rhenofol CGv has a fleece free edge on one side with a width of 50 mm (+/- 5 mm).

Throughout the length of the membrane, the fleece backing is continuous.

The transversal cross joints therefore are to be covered by welding a 100 mm wide strip of Rhenofol CV over the joint.

The central area of Rhenofol CGv is bonded onto the substrate with Rhenofol CGv adhesive.

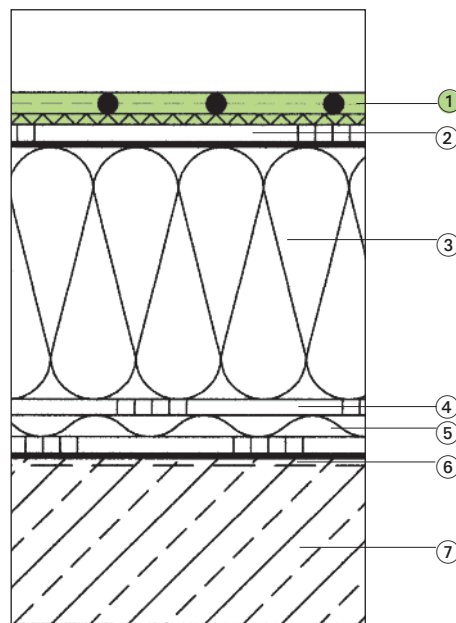
## Quality assurance

Rhenofol CGv is subject to constant in-house and external quality control.

The in-house quality assurance system for the whole company has been certified according to DIN ISO 9001, the world's most strict quality standard, and is constantly monitored by TÜV CERT.

## Range of application

Rhenofol CGv is designed specifically for bonded applications. It is suitable for flat roofs on new buildings or in refurbishment.



*Example: layer build-up non ventilated roof*

- ① Rhenofol CGv
- ② Rhenofol CGv adhesive
- ③ Thermal insulation to specification
- ④ FDT adhesive U
- ⑤ Bitumen vapour barrier
- ⑥ Bitumen primer (if required)
- ⑦ Concrete

## Material properties

- Roofing membrane according to DIN 16 735 (Rhenofol CG) with laminated fleece.
- Non shrinking according to DIN 16726 testing.
- Weather resistant.
- Resistant to UV-radiation.
- Resistant to root and rhizome penetration according to FLL testing, tested at 1.2 mm thick Rhenofol CG roofing membrane.
- Building materials class B 2, DIN 4102.
- Resistant to standard exhaust gas from industrial and heating plants.
- The upper side of the membrane is not resistant to substances containing bitumen or tar; organic solvents, fats and oils.
- Outstanding resistance to natural ageing.
- Resistance to spread of flame according to fire rating BS 476: Part 3:2004.

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Properties	Testing according to DIN	Value	Unit
Tensile strength	16726 sec. 5.6	> 600	N/50 mm
Elongation at break	16726 sec. 5.6	> 40	%
Resistance to hydrostatic pressure (tight at 2 bar, 24 h)		watertight	–
Resistance to perforation (tight at 300 mm height of fall)		watertight at fall 500 mm	–
Dimensional stability after warm storage (6 h, 80 °C)	16726 sec. 5.13	< 0.05	%
Bending at low temperatures	DIN EN 495-5	no cracks at –30 °C	–
Water vapour diffusion resistance coefficient $\mu$	16726 sec. 5.15	18,000	air=1)
Area compression strength (no pressure on edges)		10	N/mm <sup>2</sup>
Thermal conductivity	52612	0.16	W/m x K
Hail resistance	SIA 280	passed	–
Resistance to root and rhizome penetration	FLL testing	passed	–

## Forms of supply

Colour	Thickness	PVC Thickness	Width	Length	Weight
	mm	mm	m	m	kg/m <sup>2</sup>
light-grey	1.8	1.2	2.05	15	1.7
	2.1	1.5	2.05	15	2.1
anthracite	1.8	1.2	2.05	15	1.7
	2.1	1.5	2.05	15	2.1

Please prove compatibility of membrane before application.



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