

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/m² 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.

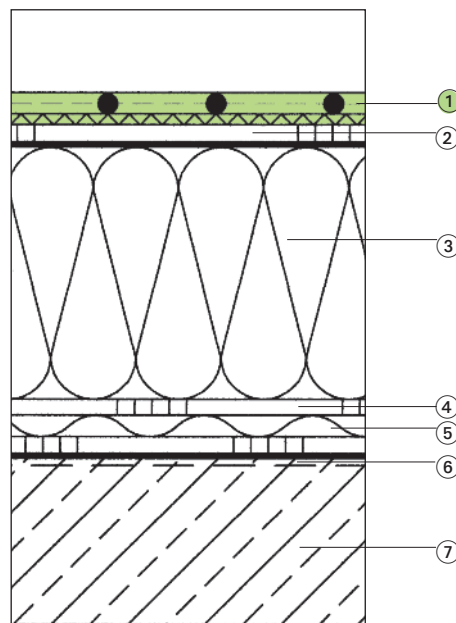
Quality assurance

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 μ	16726 sec. 5.15	18,000	air=1)
Area compression strength (no pressure on edges)		10	N/mm ²
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 ²
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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