

# Rhenofol® CG



**Data Sheet**  
Roofing  
membranes

## Rhenofol CG

**The roofing membrane for loose laid application under ballast, e. g. gravel or paving slabs on terraces, concrete on parking decks or with green roof system.**

Rhenofol CG is a product made of non-rigid polyvinyl chloride (PVC-P), a roofing membrane with glass fleece reinforcement according to DIN EN 13956.

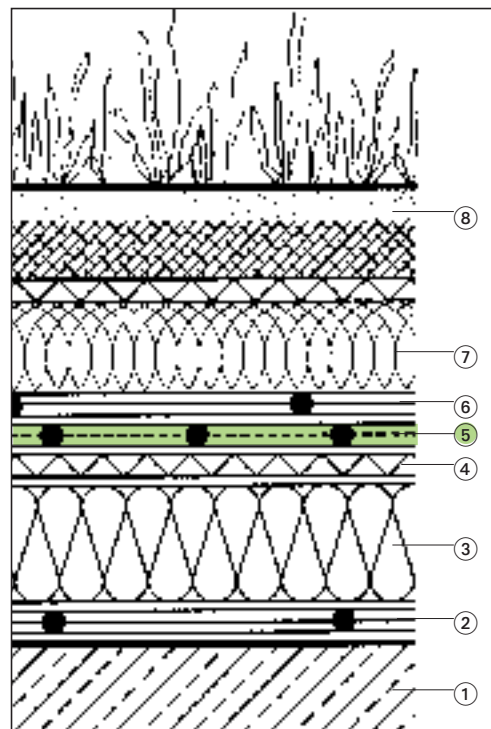
Due to the outstanding material characteristics, Rhenofol CG roofing membranes are ideal for single-ply application. Seam overlaps can be easily sealed with solvent or hot air welding.

## Quality assurance

Rhenofol CG 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 CG is used for waterproofing in loose laid applications under ballast with gravel or paving slabs, e. g. on terraces or parking decks or under green roof systems.



*Example:  
green roof,  
sealed with Rhenofol CG,  
loose laid with ballast.*

## Material properties

- Roofing membrane according to DIN EN 13956 resp. to DIN 16735.
- Non shrinking according to DIN EN 1107-2 testing.
- Weather resistant.
- Resistant to UV-radiation.
- Resistant to root and rhizome penetration according to FLL testing, tested at 1.5 mm and 1.2 mm thick roofing membranes.
- Building materials class B 2, DIN 4102, resp. class E, DIN EN 13501-1.
- Resistant to standard exhaust gas from industrial and heating plants.
- Outstanding resistance to natural ageing.
- 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.
- Hail resistance acc. to SIA 280.

- ① Reinforced concrete
- ② FDT Vapour control layer PE
- ③ Thermal insulation layer acc. to specification
- ④ Separation layer  
FDT synthetic fleece 300 g/m<sup>2</sup>
- ⑤ Rhenofol CG 1.5 mm/1.8 mm
- ⑥ PE separation layer 0.2 mm thick
- ⑦ Combined drainage, filter and protection layer
- ⑧ Vegetation mat

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## Data and Roll Sizes

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Properties	EN standard	Value	Unit
Tensile strength	EN 12311-2 (A)	≥ 600	N/50 mm
Elongation	EN 12311-2 (A)	≥ 200	%
Tear resistance	EN 12310-1	≥ 150	N
Joint peel resistance	EN 12316-2	≥ 150	N/50 mm
Joint shear resistance	EN 12317-2	≥ 250	N/50 mm
Resistance to impact ø 10 mm	EN 12691	≥ 500	mm
Resistance to static load	EN 12730 (B)	20	kg
Resistance to root penetration; FLL-testing	prEN 13948	passed	
Hail resistance; SIA 280	EN 13583	passed	
Dimensional stability	EN 1107-2	≤ 0.05	%
Water tightness	EN 1928	≥ 400	kPa
Foldability at low temperatures	EN 495-5	- 30	°C
UV exposure	EN 1297	5000	h
Water vapour properties; μ	EN 1931	18000	
Reaction to fire	EN 13501-1	class E	
Durability of water tightness to weathering	EN 1296 EN 1928	passed	
Thermal conductivity	DIN 52612	0.16	W/mK

### Forms of supply

Material	Colour	Thickness	Width	Length	Weight
		mm	m	m	kg/m <sup>2</sup>
Rhenofol CG	light-grey	1.2	2.05	20	1.54
		1.5	2.05	15	1.88
		1.8	2.05	15	2.28
		2.0	2.05	15	2.53



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