Rhenofol® CV

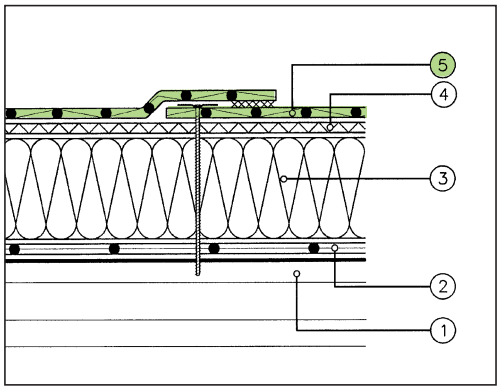
Data Sheet
Roofing membranes

Rhenofol CV
The roofing membrane for mechanically fixed roof build ups.

Rhenofol CV is a product made of non-rigid polyvinyl chloride (PVC-P), a synthetic fibre reinforced roofing membrane according to DIN EN 13956. Due to the outstanding material characteristics, Rhenofol CV roofing membranes are ideal for single-ply application. Seam overlaps can be easily sealed with solvent or hot air welding.

Quality assurance

Rhenofol CV 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.



Rhenofol CV – mechanically fastened

① Corrosion-protected profiled steel decking
② FDT Vapour control layer PE
③ Thermal insulation layer acc. to specification
④ FDT glass fleece 120 g/m²
⑤ Rhenofol CV, mechanically fastened

Range of application

Rhenofol CV is used for waterproofing in mechanically fixed build ups without ballast, especially for lightweight roofs. Used in conjunction with FDT standing seam profiles a simulated metal welted-seam roof can easily and economically be produced.

Material properties

- Roofing membrane according to DIN EN 13956 resp. to DIN 16734.
- Weather resistant.
- Resistant to UV-radiation.
- Resistant to flying sparks and radiant heat according to DIN 4107 resp. to DIN V ENV 1187, confirmed by official test certificates.
- Building materials class B2, 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, hydrogechlorides; fats, oils, such as oily cements and forming oils. Not compatible with rigid polystyrene foam.
- Hail resistant acc. to SIA 280.

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Data and Roll Sizes

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Properties	EN standard	Value	Unit
Tensile strenght	EN 12311-2 (A)	≥ 1000	N/50 mm
Elongation	EN 12311-2 (A)	≥ 15	%
Tear resistance	EN 12310-2	≥ 200	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
Hail resistance; SIA 280	EN 13583	passed	
Dimensional stability	EN 1107-2	≤ 0.2	%
Water tightness	EN 1928 (B)	≥ 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	
External fire performance	ENV 1187 DIN 4102-7	$B_{roof}(t1)$	
Thermal conductivity	DIN 52612	0.16	W/mK

Forms of supply

Colour	Thickness	Width	Length	Weight
	mm	m	m	kg/m²
light-grey	1.2	2.05	20	1.47
light-grey	1.2	1.50	20	1.47
light-grey, anthracite, white[1)]	1.2	1.03	20	1.47
light-grey	1.2	0.68	20	1.47
light-grey	1.5	2.05	15	1.85
light-grey, anthracite[1)]	1.5	1.50	20	1.85
light-grey	1.5	1.03	20	1.85
light-grey	1.5	0.68	20	1.85
light-grey	1.5	0.50	20	1.85
light-grey	1.8	2.05	15	2.25
light-grey	1.8	1.50	15	2.25
light-grey	1.8	1.03	15	2.25
light-grey	2.0	1.50	15	2.48

[1)] Other colours on request

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