

RENOLIT ALKORPLAN 35020 BLACK

Underground structures PROTECTIVE sheet
Conforms to CETU "avis technique" non UV



→ PRODUCT

Black homogeneous flexible polyvinyl chloride (PVC-P) protective sheet. For the protection of:

- Geomembranes in underground works, in particular to protect against potential site dangers (during erection of metalwork, backfilling, etc.)
- Geomembranes in hydraulic engineering works, when the sheet is to be covered by a concrete structure (apart from on a slope when concrete generally needs some form of drainage).

→ CHARACTERISTICS

- Manufactured in ISO 9001 and ISO 14001 certified plant.
- Hardly combustible (B2 - DIN 4102, IV.2 - SIA 280, B2 - ÖN B 3800/1-Class EN 11925).
- Resistant to swelling, rotting and ageing.
- High resistance to puncturing.
- Root resistance in accordance with EN14416.
- Not resistant to bitumen, oil and tar.
- Limited UV radiation resistance.

→ INSTALLATION

For installation and welding of the sheet, please consult the specific instructions in force at the time of installation. Welding:

- The sheets are joined by overlapping and, when necessary, are spot or line welded using the hot air or heated wedge method.

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→ CHARACTERISTICS	NORMS	UNITS	SPECIFICATIONS
Thickness	EN 1849-2	mm	2.0 ±5%
Density	EN ISO 1183	g/cm ³	1.33 ±5%
Tensile strength	EN ISO 527	N/mm ²	L: ≥ 17 T: ≥ 17
Elongation at failure	EN ISO 527	%	L: ≥ 220 T: ≥ 220
Tear strength	DIN 53363 EN ISO 34	N/mm kN/m	≥ 130 ≥ 60
Hardness	ISO 868-85	Shore A	88±3
Dimensional stability after accelerated ageing (6h/80°C)	EN ISO 1107-2	%	≤2,5%
Dynamic puncture resistance (•)	NF P 84-506	J	≥8.75
Root resistance	EN 14416		Fulfilled
Cold resistance	EN 1109		-20°C
Behavior in fire	B2 ÖN B 3800/1 SIA 280 DIN 4102 EN ISO 11925		B2 IV.2 B2 Class E

(•) Determination made on the waterproofing complex as follow:
Protection RENOLIT ALKORPLAN 35020, thickness 2.0 mm.
Geomembrane RENOLIT ALKORPLAN 35036 thickness 2.0 mm.
Needled non-woven geotextile 700 g/m².

The protective foil RENOLIT ALKORPLAN 35020, 2.0 mm thickness meets the specifications of the Fascicle 67, Title III of the CCTG, for the complex defined above. "This conformity is considered to be also established for any waterproofing complex using this protective foil, with a 2mm PVC geomembrane, and a separated 700 g/m² geotextile (being in accordance with fascicle 67.III). By extension, it is recognized that this complex is Class 2 with a geotextile of 600 g/m² (or geocomposite) if it conforms to the Fascicle 67.III and in the case of use in an excavated tunnel." (Extract from the Report Φ/25646 CETE Lyon).

We reserve the right to amend or change specifications as and when required.
We will be pleased to advise current specifications upon request.
Other technical characteristics are available upon request.

→ STORAGE

- Standard packaging: delivery in roll form, 2.15 meter width, on cardboard cores.
- Store in a dry unheated space. Rolls to be parallel and in original packing. Do not stack in cross form or under pressure. The storage area must be of such nature as not to damage the geomembrane.