

ANTIROCK PR (4,7 mm)

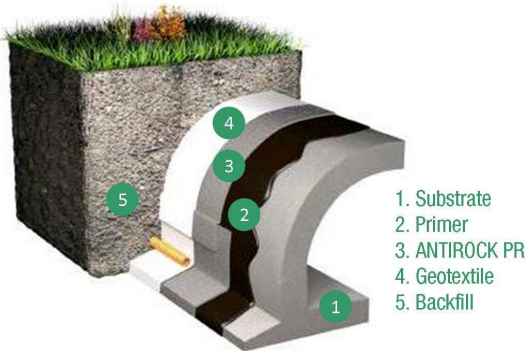
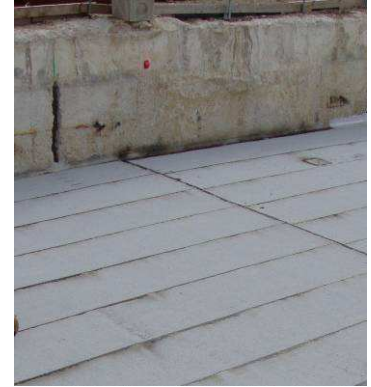
ANTI-ROOT BITUMINOUS MEMBRANE FOR UNDER BACKFILL

USE – APPLICATION

ANTIROCK PR is used for waterproofing underground structures. It is bonded onto the upper surface of the structure (a cut and cover tunnel for example) and is protected against puncturing by the backfill by a geotextile, a layer of concrete or asphalt.

This membrane has the same characteristics as ANTIROCK P, but also has an anti-root treatment to meet the requirements of underground structures, to protect it against attack from plants and perforation by roots.

The membrane is welded and smoothed onto a substrate prepared with primer: ELASTOCOL 500 TP or AQUADERE TP (solvent-free primer).



The membrane is pre-heated before being applied and then the primed substrate and the bituminous sheet are heated alternately. The welding is performed: either manually with a flame, or automatically using hot air (MACADEN system).

A 90mm selvedge ensures easy overlapping.

DESCRIPTION

ANTIROCK PR membrane is a torchable waterproofing membrane made from polymer modified bitumen (SBS elastomer) with a non-woven polyester reinforcement mesh (250g/m²). Anti-root agents are added. The underside is covered by a thermofusible plastic film and the top surface is protected by slate chippings.

The grey-coloured slate chippings provide excellent mechanical protection during the application of coated materials as well as protecting against UV rays during the construction phases. It therefore does not require any form of temporary protection.

CIVILROCK attaches the highest importance to the quality of its products. This is why we operate a quality assurance system according to ISO 9001 BSI certified.

MAIN ADVANTAGES

- Can be used untreated under backfill
- Anti-root resistance
- High puncture resistance
- Resistant to UV rays
- Flexible when cold and hot
- Good weldability
- Possibility of automated installation, with standard rolls (mini-MACADEN) or long rolls (MACADEN)

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CHARACTERISTICS

	Standard	Average value
Mass per unit area (2)	EN 1849-1	5.3 kg/m ²
Thicknesses (2)	EN 1849-1	4 mm on selvedge 4.7 mm on chippings
Maximum tensile force / Elongation (2) Longitudinal Transverse	EN 12311-1	25 daN/cm / 50% 20 daN/cm / 55%
Water absorption at 20°C after 30 days (1)	EN 14223	0.75%
Flexibility at low temperature (2)	EN 1109	-10°C
Creep resistance at high temperatures (1)	EN 1110	100°C
Adherence to concrete (1)	NF-P 98 282 EN 13 596	≥ 0.4 N/mm ² ≥ 0.7 N/mm ²
Shear strength (1)	EN 13 653	≥ 0.3 N/mm ²
Resistance to compaction of a layer of bitumen coated materials	EN 14692	Compliant
Watertightness	EN 14694	Compliant

(1) Limit values given by the Manufacturer / (2) Values declared by the Manufacturer

PACKAGING

Dimensions	8ml x 1m / Jumbo rolls 190ml x 1m
Number of rolls per pallet	25 rolls / 1 Jumbo roll
Storage	Upright on pallet

CERTIFICATION OR AGREEMENT

Antirock PR has obtained the following agreement:

France:

- CETU technical approvals (with ELASTOCOL 500 TP primer or AQUADERE TP)



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