CE

Technical data sheet No. WPBFR004-14.04

Cancels and replaces N° 2011-101 (ENG)

ANTIROCK P (4,7 mm)

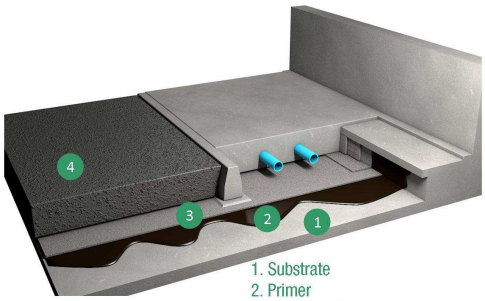
BITUMINOUS MEMBRANE UNDER ASPHALT FOR CIVIL ENGINEERING WORKS

USE – APPLICATION

ANTIROCK P can be used for road bridges, rail bridges, car parks or slabs directly underneath one or more layers of asphalt bituminous mixtures.

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

The asphalt is laid directly onto the membrane.



1. Substrate
2. Primer
3. ANTIROCK P
4. Asphalt

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 P membrane is a torchable waterproofing membrane made from polymer modified bitumen (SBS elastomer) with a non-woven polyester reinforcement mesh (250g/m²). 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

- Used directly underneath bituminous coated materials & asphalt
- High level of adherence to the substrate
- Resistant to UV rays
- Flexible when cold and hot
- Good weldability
- High mechanical resistance
- High puncture resistance
- Possibility of automated installation, with standard rolls (mini-MACADEN) or long rolls (MACADEN)

CIVILROCK by SOPREMA

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CHARACTERISTICS

	Standard	Average value
Mass per unit area	EN 1849-1	5.3 kg/m²
Thicknesses	EN 1849-1	4 mm on selvedge 4.7 mm on chippings
Maximum tensile force / Elongation Longitudinal Transverse	EN 12311-1	 25 daN/cm / 50% 20 daN/cm / 55%
Flexibility at low temperature	EN 1109	-10 °C
Creep resistance at high temperatures	EN 1110	100 °C
Adherence to concrete	NF-P 98 282 EN 13 596	≥ 0.4 N/mm² ≥ 0.7 N/mm²
Shear strength	EN 13 653	≥ 0.3 N/mm²
Resistance to compaction of a layer of bitumen coated materials	EN 14692	Compliant
Watertightness	EN 14694	Compliant
Water absorption at 20°C after 30 days	EN 14223	0.75%

PACKAGING

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

CERTIFICATION

ANTIROCK P has obtained the following certifications:

France:

- SETRA technical approvals (with ELASTOCOL 500 TP or GLACIVAP primers and resin FLASHING TP for upstands)
- SNCF approvals (with ELASTOCOL 500 TP and GLACIVAP primers and resin FLASHING TP for upstands)

Portugal:

- INEC (with ELASTOCOL 500 TP primer)

Romania:

- CCF Laborator (with ELASTOCOL 500 TP primer)

Czech Republic:

- TZUS (with ELASTOCOL 500 TP primer)

Latvia:

- BBANC (with ELASTOCOL 500 TP primer)

Lithuania:

- SPSC (with ELASTOCOL 500 TP primer)

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CE MARKING

ANTIROCK P bitumen sheets are used for waterproofing of concrete bridge decks and others trafficked areas of concrete.

CE

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ANTIROCK P

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DOP n° WPBFR004
Certificate of Factory Production Control : 1119-CPR-13105, 13106, 13107 and 13108

EN 14695 : 2010
Reinforced bitumen sheet made of polyester non woven, elastomeric bitumen, slate chippings on top surface and a thermofusible plastic film underside, dimensions of 8 m x 1 m x 4,7 mm.
Applied manually with a flame or automatically.

ESSENTIAL CHARACTERISTICS	PERFORMANCE	HARMONISED TECHNICAL SPECIFICATION
Watertightness Watertightness Water absorption (%)	 Conform 0,75	EN 14695:2010
Tensile properties : Tensile strength L x T (N / 50 mm) Elongation L x T (%)	 ≥ 800 x 800 40 x 40	
Bond strength (N/mm²)	0,7	
Crack bridging ability (°C)	NPD	
Compatibility (%)	100	
Flexibility at low temperature (°C)	-4	
Shear strength (N/mm²)	0,3	
Resistance to thermal impact Surface proportion (%) Thickness variation (mm)	 NPD NPD	
Puncture resistance (compaction)	Conform	
Durability Flexibility at low temperature Flow resistance at elevated temperature (°C)	 NPD 80	
Dangerous substances (Notes 1 & 2)	Complies	

Note 1 : This product does not contain asbestos or tar constituents.
Note 2 : Since there is no European test method available, no performance declaration for leaching behavior can be made. It must be made according to national rules in force in the place of use.

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