



# ANTIROCK ASP 40 (4.0 mm)

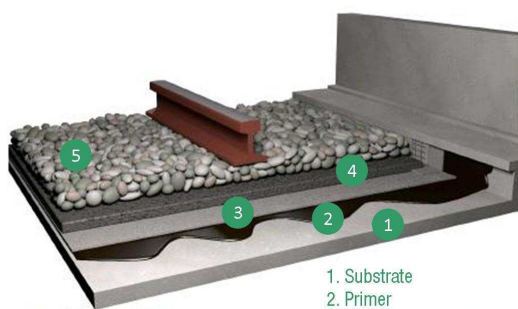
BITUMINOUS MEMBRANE UNDER MASTIC ASPHALT FOR RAILWAY WORKS

## USE – APPLICATION

ANTIROCK ASP 40 can be used on road bridges and rail bridges under a layer of gravel asphalt recovered by mastic asphalt or ballast.

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

The asphalt is poured directly onto the membrane.



1. Substrate
2. Primer
3. ANTIROCK ASP 40
4. Asphalt
5. Ballast

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.

## PRESENTATION - PRODUCTION

ANTIROCK ASP 40 membrane is a torchable waterproofing membrane made from polymer modified bitumen (SBS elastomer). The bitumen coats a non-woven polyester reinforcement mesh (250 g/m<sup>2</sup>). The underside is covered by a thermo-fusible plastic film and the top surface is protected by a non-woven synthetic fibre fabric.

The non-woven top layer is white and protects 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

- Dimensional stability at high temperature when pouring the mastic asphalt
- Flexible when cold and hot
- High puncture resistance
- High mechanical resistance
- 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	EN 1849-1	4.3 kg/m <sup>2</sup>
Thicknesses	EN 1849-1	4.0 mm
Maximum tensile force / Elongation Longitudinal Transverse	EN 12311-1	20 daN/cm / 50% 15 daN/cm / 55%
Water absorption at 20°C after 30 days	EN 14223	≤ 2.5%
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/mm <sup>2</sup> 0.7 N/mm <sup>2</sup>
Watertightness	EN 14694	Compliant

## PACKAGING

Dimensions	10 ml x 1m / Jumbo rolls 200 ml x 1m
Number of rolls per pallet	25 rolls / 1 Jumbo roll
Storage	Upright on pallet

## CERTIFICATION AND AGREEMENT

ANTIROCK ASP 40 has obtained the following agreement:

**France:**

- SNCF approvals (with ELASTOCOL 500 TP primer)



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## CE MARKING

ANTIROCK ASP 40 bitumen sheets are used for waterproofing of concrete bridge decks and others trafficked areas of concrete.

 1119		
<b>ANTIROCK ASP 40</b>  <b>SOPREMA</b> 14 Rue de St-Nazaire – CS 60121 67025 STRASBOURG Cedex 13  <b>DOP n° WPBFR001</b> Certificate of Factory Production Control : 1119-CPR-13105, 13106 and 13107		
<b>EN 14695 : 2010</b> Reinforced bitumen sheet made of polyester non-woven, elastomeric bitumen, a non-woven synthetic fibre top layer and a thermo-fusible plastic film underside, dimensions of 10 m x 1 m x 4,0 mm. Applied manually with a flame or automatically.		
ESSENTIAL CHARACTERISTICS	PERFORMANCE	HARMONISED TECHNICAL SPECIFICATION
Watertightness	<b>Conform</b> <b>1</b>	<b>EN 14695:2010</b>
Watertightness Water absorption (%)		
Tensile properties :	<b>≥ 800 x 800</b> <b>40 x 40</b>	
Tensile strength LxT (N/50 mm) Elongation LxT (%)		
Bond strength (N/mm <sup>2</sup> )	<b>0,7</b>	
Crack bridging ability (°C)	<b>NPD</b>	
Compatibility (%)	<b>100</b>	
Flexibility at low temperature (°C)	<b>-4</b>	
Shear strength (N/mm <sup>2</sup> )	<b>0,3</b>	
Resistance to thermal impact	<b>0</b> <b>0,5</b>	
Surface proportion (%) Thickness variation (mm)		
Puncture resistance (compaction)	<b>NDP</b>	
Durability	<b>NPD</b> <b>80</b>	
Flexibility at low temperature Flow resistance at elevated temperature (°C)		
Dangerous substances (Notes 1 & 2)	<b>Complies</b>	

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 behaviour can be made. It must be made according to national rules in force in the place of use.



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