

ANTI ROCK BRIDGE

TECHNICAL DATA SHEET



WATERPROOFING

APPLICATIONS

PARKING DECKS

CIVIL WORKS

DESCRIPTION

ANTI ROCK BRIDGE is a torchable waterproofing membrane made from polymer modified bitumen (SBS elastomer) with a non-woven polyester reinforcement mesh. 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.

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

ANTI ROCK BRIDGE is welded and smoothed onto a substrate prepared with **ANTI ROCK** primer. The asphalt is laid directly onto the membrane. The welding is performed: either manually or automatically with a flame or using hot air (MACADEN® system).

 vic roads section 691 approved

Used directly underneath asphalt

High mechanical resistance

High puncture resistance

Possibility of automated installation

INSTALLATION PROCEDURE

SUBSTRATE

- No work should be started until all surfaces are smooth, dry, and free of ice, snow or any other substance that may prevent the membrane from adhering properly
- Substrate must have a minimum 1% gradient to ensure that water drains to drainage outlets
- Do not install heat welded membranes directly onto combustible substrate
- Concrete substrate must be fully cured before application of the membrane
- Concrete substrate must have a Concrete Surface Profile (CSP) between 3 and 6, as per the International Concrete Repair Institute
- Adhesion test is recommended prior to installation of membrane
- Commencement of installation shall be taken as acceptance of the substrate by the Applicator

PRIMING

- All concrete bridge deck surfaces to receive the waterproofing membrane application shall be primed with **ANTI ROCK PRIMER**
- The adhesive coat must be applied to a dry substrate using a brush or sprayer. Wait until the adhesive coat is dry (the primer must be tack-free) before the installation of the membrane. The drying time varies with the climatic conditions, quantities applied and the porosity of the concrete
- The primer will accept light foot traffic once it is dry, and where necessary will accept vehicular traffic with rubber tires
- **WARNING:** Do not accelerate drying of **ANTI ROCK PRIMER** by heating with a torch

MANUAL WELDING

- Before welding, the stripes must be taken-off of the roll
- Unroll **ANTI ROCK BRIDGE** membrane sheets onto the deck
- Starting at the low point of the deck, lay out the **ANTI ROCK BRIDGE** membrane to ensure the plies are installed perpendicular to the deck slope, shingled to prevent back-water laps and parallel to the driveway
- Ensure specified side-laps and end-laps are maintained. End-laps should be staggered 1 m apart

FOR COMPLETE INFORMATION ON PRODUCT INSTALLATION, PLEASE CONSULT YOUR SOPREMA REPRESENTATIVE



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NOTE : All products manufactured by SOPREMA Inc. comply with the description and properties indicated in the technical data sheet that was current at the date of manufacture.

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ANZ-TDS-21-ANTI ROCK BRIDGE

AUTOMATIC WELDING

- Before welding, the stripes must be taken-off of the roll
- Dispatch **ANTI ROCK BRIDGE** rolls sheets onto the deck
- Pre-align Mini-MACADEN, install the **ANTI ROCK BRIDGE** membrane on the chassis and start the machine
- Stop the burner at the end of roll and proceed the welding manually of the end roll

Where conditions allow, use MACADEN machine with jumbo rolls. This solution is recommended for all bridges of a size > 1.000 sqm. A separation screen is recommended for the case of a large concrete protection slab.

PACKAGING

SPECIFICATIONS	ANTI ROCK BRIDGE	
	Classic	Jumbo
Colour	grey	
Dimensions	8 m x 1 m	200 m x 1 m
Weight	38 kg	940 kg
Rolls per pallet	30	1

PROPERTIES

PROPERTIES	STANDARD	ANTI ROCK BRIDGE
Watertightness	EN 14694	Pass
Water absorption	EN 14223	0.75
Tensile properties	EN 12311-1	$\geq 550 \text{ N/50mm} / \geq 400 \text{ N/50mm}$
Tensile strength (L/T) Elongation (L/T)		$\geq 30 \% / \geq 30 \%$
Bond strength	EN 13596	0.67 N/mm ²
Crack bridging ability	EN 14224	-10°C
Compatibility by heat conditioning	EN 14691	100 %
Shear strength	EN 13653	0.3 N/mm ²
Resistance to thermal impact	EN 14693	NPD
Surface proportion (%) Thickness variation (mm)		NPD
Resistance to compaction of an asphalt layer	EN 14692	Pass
Durability at thermal ageing	EN 1109	-10°C
Flexibility at low temperature Flow resistance at elevated temperature	EN 1110	80°C
Dangerous substances (Notes 1)	-	Complies
Mass per unit area	EN 1849-1	4.7 kg/m ²
Thickness	EN 1849-1	4.0 mm on protections

(All values are nominal)

Note 1: This product does not contain asbestos or tar constituents.



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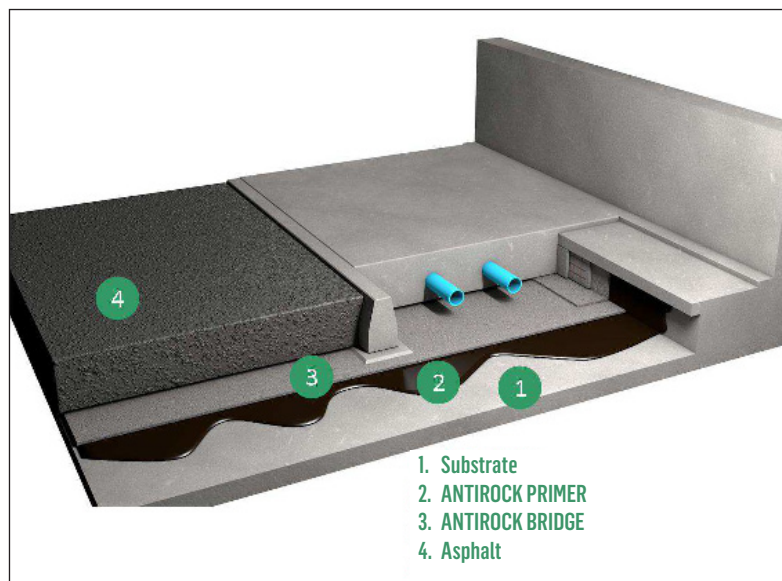
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VISUAL



STORAGE AND HANDLING

Rolls must be stored upright, with the selvedge side on top. If the products are stored outdoors, cover them with an opaque protection cover after removal of the delivery packaging.

STATEMENT OF RESPONSIBILITY

The technical information and application advice given in this publication is based on the present state of our best knowledge. As the information herein is of a general nature, no assumption can be made as to a product's suitability for a particular use or application and no warranty as to its accuracy, reliability or completeness either expressed or implied is given other than those required by Commonwealth or State Legislation. The owner, their representative and/or the contractor are responsible for checking the suitability of products for their intended use.

Note: Field service where provided, does not constitute supervisory responsibility. Suggestions made by Soprema Australia Pty Ltd either verbally or in writing may be followed, modified or rejected by the owner, engineer or contractor since they are responsible for carrying out procedures appropriate to a specific application.



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