



ACCESSORY
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FLAG JOINT BR 500

TECHNICAL DATA SHEET

ANZ-TDS-58-FLAG JOINT BR 500

DESCRIPTION

FLAG JOINT BR 500 is a waterproof, flexible and ready-to-use joint tape used to join SOPREMA bituminous and PVC waterproofing membrane systems as well as PVC and PMMA resin waterproofing membrane systems.

FLAG JOINT BR 500 is made of PVC-P with a central fiberglass reinforcement. A geotextile fleece is attached to one end of the tape, on both the surface and under face. On the other end, the surface is light grey and under face is black.

FIELD OF APPLICATION

- Tunneling
- Foundations
- Other civil works

INSTALLATION PROCEDURE

SUBSTRATE

- No work should be started until the substrate must be firm, even, clean and free from loose materials or any construction debris on surface.
- Commencement of installation shall be taken as acceptance of the substrate by the Applicator.

INSTALLATION

- **FLAG JOINT BR 500** is used horizontal.
- On the geotextile end, **FLAG JOINT BR 500** is sandwiched between 2 layers of SOPREMA bituminous membranes which have previously been melted by a hand-held torch in order to obtain hot bitumen. PMMA resin can also be used on both surfaces of the geotextile to join to the PVC membrane systems.
- On the PVC end, FLAGON PVC membrane is welded onto the tape surface with a hot air welding machine.

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

PACKAGING

SPECIFICATIONS	FLAG JOINT BR 500
Thickness	1.6 mm
Roll dimensions	50 cm x 30 m
Rolls per pallet	12
Color	The top side is light grey / the bottom side is black

- Resistance to atmospheric agents
- Resistance to stagnant water
- Root growth and UV resistance
- High movement absorption
- Wide range of temperatures



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TDS_FLAG_JOINT_BR_500_11-2020



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PROPERTIES

PROPERTIES	TEST METHOD	FLAG JOINT BR 500
Water tightness (bar)	UNI EN 1928/B	10
Tensile strength (N/mm ²)	UNI EN 527-1	> 6.5
Elongation at break (%)	UNI EN 527-1	> 200
Joint strength	DIN 16 726	Break outside joint
Root resistance	SIA V280	Compliant
Impact resistance	SIA V280	> 650 (weight 500g)
Water vapour diffusion resistance	SIA V280	~17000 (µH ₂ O)
Reaction to fire	SIA V280	4.2
Behaviour in hot water	SIA V280	Compliant
Ozone resistance	SIA V280	Compliant
Heat resistance: - heat ageing - bending test - artificial weathering	SIA V280	Compliant No cracks at < -25°C 5000 hours - compliant
Resistance to chemical agents - long-term exposure a :	-	Water, sea water, alkaline water, di-icing salt solution, bitumen renders, water disperse bitumen-based coatings
Resistance to chemical agents - temporary resistance to:	-	Diluted inorganic alkalis and minerals acids, mineral oils
Operating temperatures : - minimum - maximum	-	-25°C +80°C

STORAGE AND HANDLING

Shelf life: 36 months from the date of production, in the original unopened and undamaged packaging.

Protect from direct heat and sunlight

Store at a temperature between +5°C and +40°C.

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 or the contractor is responsible for checking the suitability of products for their intended use.



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