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# SOPRAJOINT TPE

TECHNICAL DATA SHEET

ANZ-TDS-74-SOPRAJOINT TPE

## DESCRIPTION

SOPRAJOINT TPE is a waterstop extruded from high-quality raw materials. It is used at construction joints, around the piles, at termination or to isolate critical areas to prevent the risk of increased water through the structure. SOPRAJOINT TPE comes in a transparent customised profile, easing the installation process to the membrane.

SOPRAJOINT TPE is used with SOPREMA's COLPHENE BSW systems to form consistent compartments bonding to structural concrete and allowing for limiting leak repairs and pre-injection works if required.

Due to its nature as a Thermoplastic Elastomer, SOPRAJOINT TPE has good elongation properties, as it is responsive to a wide range of temperature fluctuations. It is resistant to deformation and able to recover its original size.

## FIELD OF APPLICATION

- Tunneling
- Foundations
- Other civil works

## APPLICATION METHOD

SOPRAJOINT TPE is fully welded to COLPHENE BSW membrane using a torch.

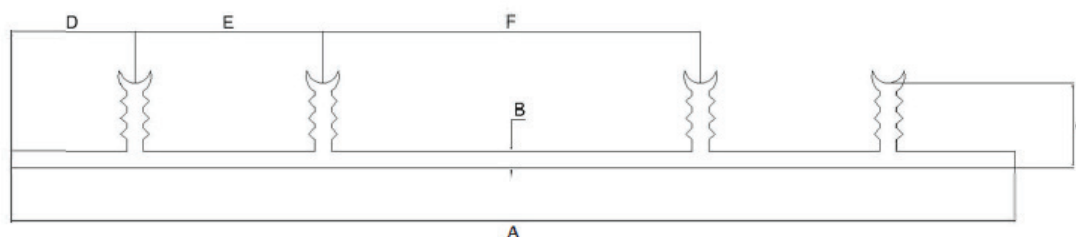
- unroll the SOPRAJOINT TPE on its position where it will be installed.
- lift up the SOPRAJOINT TPE, warm up the surface of the COLPHENE BSW membrane until it starts to melt.
- apply the SOPRAJOINT TPE onto the melted bitume and apply pressure onto SOPRAJOINT TPE then repeat until completed the installation.

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

## PACKAGING

SPECIFICATIONS	SOPRAJOINT TPE
Thickness	4 mm
Width	240 mm
Length	25 m
Colour	Transparent
Rolls per pallet	4

## PROPERTIES



A	B	C	E	E	E
240 mm	4 mm	20 mm	30 mm	45 mm	90 mm



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## PROPERTIES

SPECIFICATIONS	STANDARDS	SOPRAJOINT TPE
Weight density	ASTM D4703	0.94 g / cm <sup>3</sup>
Hardness (Shore A)	ISO 868	89
Elongation at break	ISO 527	>100 %
Elastic modulus	ISO 527	50 MPa
Tensile at 100 % elongation	ISO 527	6 MPa
Melt index	ASTM D1238	1.7 g / 10 min

## STORAGE AND HANDLING

SOPRAJOINT TPE should be stored away from the source of ignition. Adequate ventilation must be secured. Sheets should be stacked properly away from any source of damage or contamination.

## 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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