WATERPROOFING

WALLS

FOUNDATIONS

PARKING DECKS

BRIDGES

ADDITIONAL EXPERTISE

SOPRAJOINT PLUS

ROOFS

WATERPROOFING MONOLITHIC EXPANSION JOINTS

SOPREMA®

SOPRAJOINT PLUS

MONOLITHIC EXPANSION JOINTS

The SOPRAJOINT PLUS Series has been specifically designed to ensure complete waterproofing at expansion joints of buildings and civil engineering works while adapting to simultaneous movements in the three axis (horizontal, vertical and shear). Compatible with new as well as existing constructions, these products can be installed on multiple substrates, such as concrete, steel and wood.

ADVANTAGES

SUPERIOR RESISTANCE TO SHEAR MOVEMENTS

- They offer outstanding performance for shear movements, surpassing, by far, that of competing products.

SEVERAL INSTALLATION METHODS FOR A SINGLE PRODUCT

- They can be heat-welded, self-adhered, cold-adhered with adhesive or hot bitumen, or applied using ALSAN RS liquid membranes.

DURABLE

- In addition to their exceptional tear and elongation strengths, they are resistant to UV rays and severe weather.

VERSATILE

- They are designed for use on roofs, green roofs, walls, foundations, parking decks, bridges and plaza decks as well as in tunnels.

QUALITY

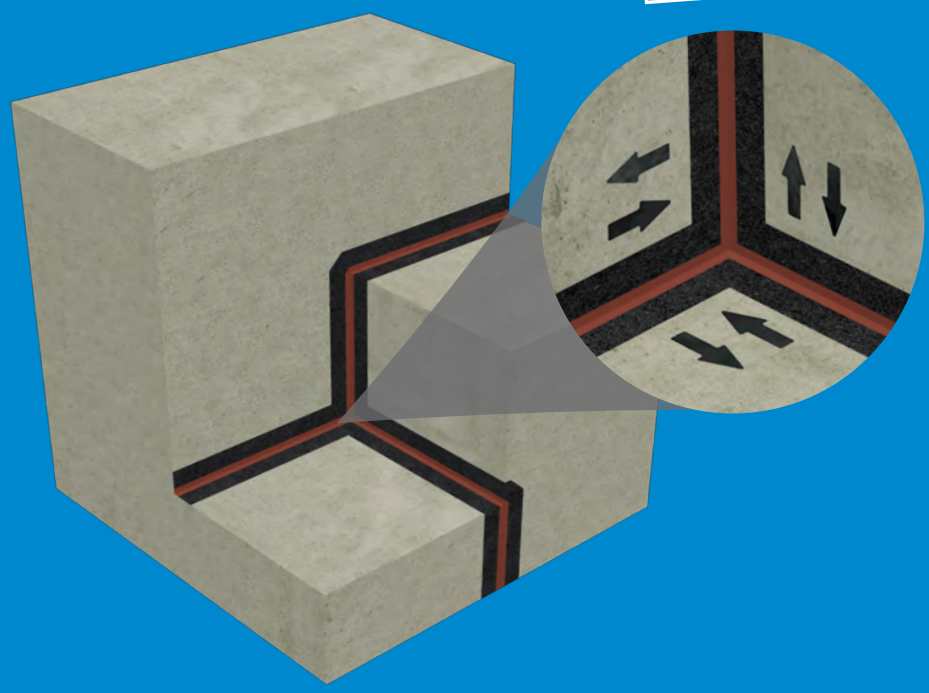
Each construction project varies in types and sizes. SOPRAJOINT PLUS expansion joints are composed of EPDM-based synthetic rubber and a woven oxidized and stabilized polyacrylonitrile, two highly heat-resistant materials. They are available in four models.

		MOVEMENTS (See the diagram below)		
NAME	TOTAL LENGTH of SOPRAJOINT PLUS	HORIZONTAL	VERTICAL	SHEAR
SOPRAJOINT PLUS 20	355 mm (14 in)	30 mm (1,2 in)	25 mm (1 in)	20 mm (0,8 in)
SOPRAJOINT PLUS 40	390 mm (15,4 in)	60 mm (2,4 in)	50 mm (2 in)	40 mm (1,6 in)
SOPRAJOINT PLUS 75	435 mm (17 1/8 in)	100 mm (4 in)	85 mm (3,4 in)	75 mm (3 in)
SOPRAJOINT PLUS 100	500 mm (19,1 in)	150 mm (6 in)	125 mm (5 in)	100 mm (4 in)
SOPRAJOINT PLUS 125	560 mm (22 in)	200 mm (8 in)	170 mm (6,7 in)	125 mm (5 in)

PERFORMANCE SUPERIOR TO that of competing products

SIMULTANEOUS THREE-DIMENSIONAL MOVEMENTS

SOPRAJOINT PLUS expansion joints allow movement in buildings in all three directions (horizontal, vertical and shear) at the same time.



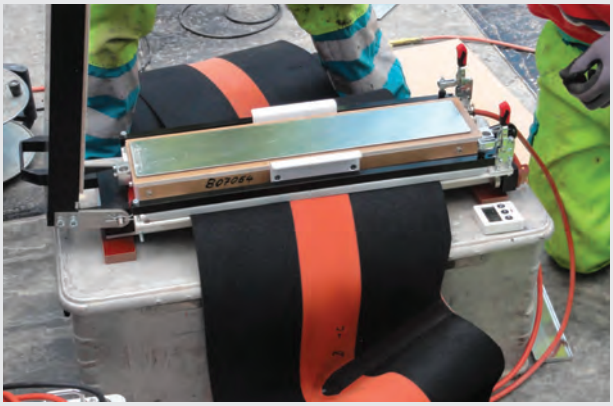
CUSTOMIZED PRODUCT, CUSTOMIZED SERVICE

In addition to being a premium and unique product, SOPRAJOINT PLUS expansion joints can be adapted to all possible configurations on site, from the simplest to the most complex. Measurements are taken from plans and/or evaluated on site by our specialized technicians. Products are prefabricated and custom-made to meet the client's needs. Our accessible technical team is at your service, from the initial design to the completion of your project.

VULCANIZATION ASSEMBLY METHOD

AND ASSEMBLY CAN BE PERFORMED DIRECTLY ON SITE!

With an assembly process using vulcanization, SOPRAJOINT PLUS expansion joints – including assembly joints – are monolithic, providing a continuous seal regardless of the configuration. This safe and reliable method allows uniform elongation through elimination of the use of adhesive or sealant for the assembly of joints.



PLATINUM PRIVILEGE WARRANTY

SOPRAJOINT PLUS expansion joints are eligible for the PLATINUM PRIVILEGE Warranty when they meet the required conditions and restrictions.

INSTALLATION (Using Heat-Welding)

Before the installation, identify the installation starting point of the SOPRAJOINT PLUS expansion joint and unroll the entire roll to ensure proper positioning and accurate measurements.

1

Using a propane torch, heat the base sheet and unroll the SOPRAJOINT PLUS on the liquefied bitumen of the base sheet membrane.

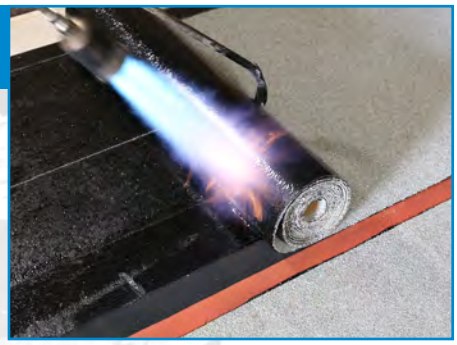
2

Apply pressure on the SOPRAJOINT PLUS to maximize adhesion.

3

Weld a 150 mm (6 in) reinforcing strip centered on the edge of the flange and apply pressure.

4



Cover the flange with a cap sheet membrane all the way up to the edge of the core and apply pressure.

5

If necessary, cover the SOPRAJOINT PLUS with a cap sheet membrane centered over the joint and fixed on one side or with another mechanical protection.

For full details on the installation of SOPRAJOINT PLUS expansion joints, please contact your SOPREMA representative .

INNOVATION SINCE 1908

SOPREMA has developed around the idea that the quality, durability and reliability of materials must match builders' ambitions and expectations. For more than 100 years, SOPREMA has been using its expertise to develop a variety of high-end products that meet or exceed all the requirements of the construction field.

ROOFS WALLS FOUNDATIONS PARKING DECKS AND FLOORS CIVIL ENGINEERING STRUCTURES ADDITIONAL EXPERTISE

WATERPROOFING INSULATION VEGETATIVE SOLUTIONS SOUNDPROOFING ACCESSORY PRODUCTS

SOPREMA is an international manufacturer specializing in the production of waterproofing and insulation products, as well as vegetative and soundproofing solutions, for the building and civil engineering sectors.

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