

# SOPRAJOINT PLUS 125

TECHNICAL DATA SHEET 101220SCANE

(supersedes 030206CANE)



WATERPROOFING

APPLICATIONS

ROOFS

WALLS

ADDITIONAL EXPERTISE

## DESCRIPTION

**SOPRAJOINT PLUS 125** is a monolithic expansion joint made of EPDM-based synthetic rubber consisting of two (2) flanges coated on the surface and underface with a woven oxidized and stabilized polyacrylonitrile, with an expandable core.

It is designed to ensure complete waterproofing at expansion joints of buildings and civil engineering structures.

The **SOPRAJOINT PLUS 125** expansion joint is a custom-manufactured special order product. Made up of two (2) flanges and a core, **SOPRAJOINT PLUS 125** is designed to waterproof expansion joints in buildings.

**SOPRAJOINT PLUS 125** expansion joints are custom-made to order. There are no limits with respect to length.

Moreover, **SOPRAJOINT PLUS 125** can be adapted to various configurations and can fit in 90-degree, angled, cross, T-shaped and curved transitions, as well as continuously in other directions thanks to an assembly process by vulcanization.

They allow movement in the three (3) axis (horizontal, vertical and shear) at the same time.

## SURFACE PREPARATION

The surfaces should be clean, sound, dry and free of any loose materials.

## INSTALLATION

Identify the installation starting point of the **SOPRAJOINT PLUS 125** expansion joints.

Unroll the entire **SOPRAJOINT PLUS 125** roll before installation to ensure positioning and measurements are accurate.

## HEAT-WELDED

**SOPRAJOINT PLUS 125** expansion joints can be heat-welded using this process:

1. Using a propane torch, heat the base sheet on which the **SOPRAJOINT PLUS 125** will be installed.
2. Place or unroll the **SOPRAJOINT PLUS 125** on the liquefied bitumen of the base sheet membrane and apply pressure to the surface.
3. Mechanically fastened the flanges of the **SOPRAJOINT PLUS 125** expansion joint.
4. Weld a minimum of 150 mm (6 in) reinforcing strip centered on the edge of the flange and apply pressure to the surface.
5. Cover the flanges with a cap sheet membrane all the way up to the edge of the core and apply pressure to the surface.
6. According to surface constraints, and when it is necessary to protect the core of the **SOPRAJOINT PLUS 125** expansion joint, cover with a cap sheet membrane (of at least 500 mm [20 in]), centered over the joint and fixed on one side to allow expansion movements, or use a steel plate, concrete or other mechanical protection.

Note: It is recommended that base sheet and cap sheet membranes are installed the same day to prevent the geotextile from absorbing moisture.

For cold adhesive, liquid waterproofing, adhesive, hot bitumen and self-adhesive installation methods, see **SOPRAJOINT PLUS TECHNICAL GUIDE**.

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

## PACKAGING

| Specifications | SOPRAJOINT PLUS 125  |
|----------------|--|
| Length         | Measurements can be taken from plans and/or evaluated on-site. |
| Weight         | 1.5 kg/m (1.00 lb/ft)  |

(All values are nominal)



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

TDS\_SOPRAJOINT\_PLUS\_125.indd



WATERPROOFING

APPLICATIONS

ROOFS

WALLS

ADDITIONAL EXPERTISE

# SOPRAJOINT PLUS 125

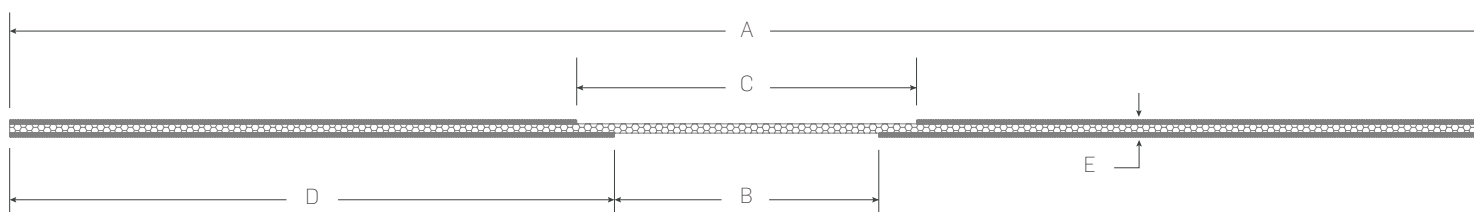
TECHNICAL DATA SHEET 101220SCANE

(supersedes 030206CANE)

## DIMENSIONS OF THE EXPANSION JOINT

| Specifications      | Dimensions of SOPRAJOINT PLUS 125 expansion joint |                 |                  |                 |                  |
|---------------------|---|-----------------|------------------|-----------------|------------------|
|                     | A   | B               | C                | D               | E                |
| SOPRAJOINT PLUS 125 | 560 mm (22.0 in)                                  | 240 mm (9.4 in) | 260 mm (10.2 in) | 160 mm (6.3 in) | 2.5 mm (3/32 in) |

(All values are nominal)



## MOVEMENTS

| Simultaneous movements of SOPRAJOINT PLUS 125 in 3 axis |                 |               |
|---|-----------------|---------------|
| Horizontal  | Vertical        | Shear         |
| 200 mm (8 in)   | 170 mm (6.7 in) | 125 mm (5 in) |

(All values are nominal)

## PROPERTIES

| Properties          | Standards   | SOPRAJOINT PLUS 125              |
|---------------------|-------------|----------------------------------|
| Hardness shore A    | ASTM D2240  | 45 ± 5                           |
| Tensile Strength    | ASTM D412 C | 10 MPa (145 lb/ft <sup>2</sup> ) |
| Elongation at Break | ASTM D412 C | 500 %                            |
| Tear Resistance     | ASTM D624B  | >10 N/mm (57 lb/in)              |

(All values are nominal)

## RESTRICTIONS

Avoid extended contact with mineral oils, benzene, fuels and aromatic compounds, such as toluene.

## STORAGE AND HANDLING

SOPRAJOINT PLUS 125 expansion joints must be sheltered from inclement weather and damaging substances. If the products are stored outdoors, cover them with an opaque protection cover.



SOPREMA.US • 1.800.356.3521

SOPREMA.CA • 1.877.MAMMOUTH

TDS\_SOPRAJOINT\_PLUS\_125.indd