

SOPRAJOINT® PLUS 40

Monolithic Expansion Joint



APPLICATIONS

ROOFING

WATERPROOFING

CIVIL ENGINEERING

PRODUCT DATA SHEET PD10012 - REV 240722

PRODUCT NUMBERS:

SOPRAJOINT PLUS 40 expansion joint is a custom-manufactured special order product. Contact Customer Service for ordering information and sizes available.

DESCRIPTION & FEATURES:

SOPRAJOINT PLUS 40 is a monolithic expansion joint made of EPDM-based synthetic rubber, consisting of two flanges coated on the surface and underface with a woven oxidized and stabilized polyacrylonitrile, with an expandable core. **SOPRAJOINT PLUS 40** expansion joints are designed to ensure complete waterproofing of buildings and civil engineering structures, either above or below grade, for both horizontal and vertical surfaces. **SOPRAJOINT PLUS 40** expansion joints are custom-made to order.

- Due to the vulcanization assembly process, **SOPRAJOINT PLUS 40** can be adapted to fit a variety of configurations, for example, 90-degree, angled, cross, t-shaped and curved transitions
- Superior resistance to simultaneous movement on three axes (horizontal, vertical and shear)
- Application flexibility — can be heat-welded, self-adhered, cold-adhered with adhesive or hot bitumen, or applied using ALSAN RS liquid membranes
- Compatible with a variety of substrates, such as concrete, steel and wood
- Versatile product that can be used in the following applications: roofs, green roofs, roof terraces, foundations, parking lots, tunnels and pedestrian bridges

APPLICATION:

SOPRAJOINT PLUS 40 expansion joint must be installed on a solid (structural) surface which is smooth, clean, dry and free of any loose materials. Unroll the entire roll before installation to ensure positioning and measurements are accurate. **SOPRAJOINT PLUS 40** can be heat-welded, self-adhered, cold-adhered with adhesive or hot bitumen, applied using liquid membranes, etc.

Refer to the SOPREMA SOPRAJOINT PLUS Technical Guide for application guidelines.

STORAGE:

Store rolls in an upright position to prevent damage. Store in a clean, dry location and cover as necessary to protect from environmental damage such as extreme cold, heat or moisture. If the product is stored outdoors, cover with an opaque protection cover.

LIMITATIONS:

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

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

WARRANTY:

For more information contact your SOPREMA representative.

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APPLICATIONS

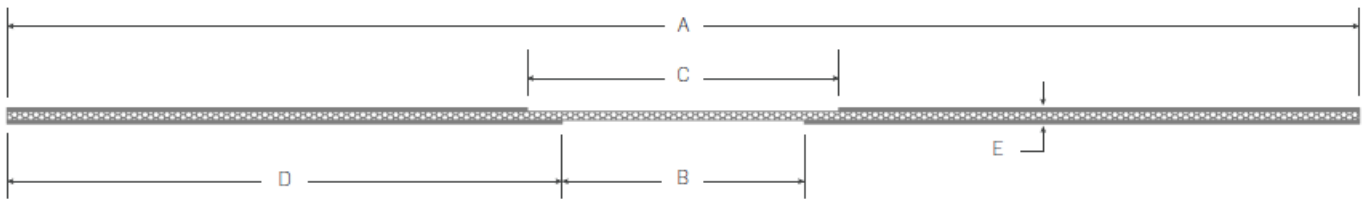
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PRODUCT SPECIFICATIONS:



DIMENSIONS in (mm)

| A | B | C | D | E |
|------------|----------|----------|-----------|------------|
| 15.4 (390) | 2.8 (70) | 3.5 (90) | 6.3 (160) | 3/32 (2.5) |

Data is represented by average values, unless noted otherwise.

MOVEMENT in (mm)

| HORIZONTAL | VERTICAL | SHEAR |
|------------|----------|----------|
| 2.4 (60) | 2 (50) | 1.6 (40) |

Data is represented by average values, unless noted otherwise.

TECHNICAL INFORMATION & TESTING:

PHYSICAL PROPERTIES

| PROPERTY | MD | ASTM TEST METHOD |
|--|-----------|------------------|
| Tensile strength , lb/ft ² (MPa) | 145 (10) | D412 C |
| Elongation at break , % | > 700 | D412 C |
| Tear Resistance , lb/in (N/mm) | 57 (> 10) | D624B |
| Hardness shore A | 45 ± 5 | D2240 |

Data is represented by average values, unless noted otherwise.