

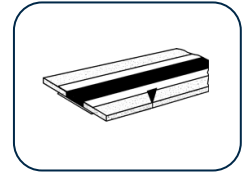
# TECHNICAL DATASHEET

## PLAKA - DEFORMATION STRIP WITH CONTINUOUS CORE

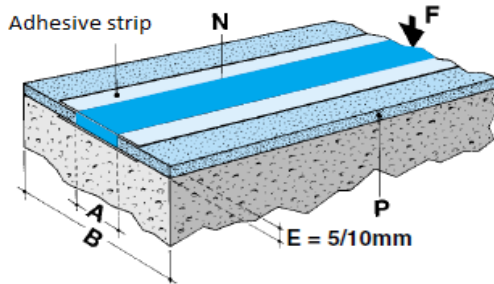
Deformation strip for a horizontal movement in one direction

REF 07.06.01 - Version V01 - 17/08/2020

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### Description



The elastomer (**N**) is surrounded by two polyethylene foam strips (**P**) with standard length of 1 m.

### Application fields

- At the junction of floor slabs and concrete or steel corbels, for centering the loads on the elastomeric core (**N**).
- They offer the possibility of a rotation  $\alpha$  without displacement of the load outside the core.
- Allow a horizontal movement ( $w$ )  $\leq 2,5$  mm or 5 mm in one direction.

### Properties and dimensions

| Mechanical properties and dimensions |              |        |        |          |                |
|--------------------------------------|--------------|--------|--------|----------|----------------|
| Code (*)                             | Type         | A (mm) | E (mm) | F (kN/m) | $\alpha$ (rad) |
| BSPNP075xxx                          | P.N.P.75     | 25     | 5      | 75       | 0.040          |
| BSPNP100xxx                          | P.N.P.100    | 33     | 5      | 100      | 0.030          |
| BSPNP150xxx                          | P.N.P.150    | 50     | 5      | 150      | 0,020          |
| BSPNP225xxx                          | P.N.P.225    | 75     | 5      | 225      | 0,013          |
| BSPNP300xxx                          | P.N.P.300    | 100    | 5      | 300      | 0,010          |
| BSPNP07510xxx                        | P.N.P.75/10  | 25     | 10     | 75       | 0,08           |
| BSPNP10010xxx                        | P.N.P.100/10 | 33     | 10     | 100      | 0,060          |
| BSPNP15010xxx                        | P.N.P.150/10 | 50     | 10     | 150      | 0,040          |
| BSPNP22510xxx                        | P.N.P.225/10 | 75     | 10     | 225      | 0,026          |
| BSPNP30010xxx                        | P.N.P.300/10 | 100    | 10     | 300      | 0,020          |

(\*) xxx = width of the deformation strip in mm.

F : Permissible compression load (Service Limit State SLS)

$\alpha$  : Rotation angle

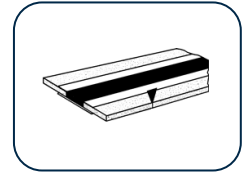
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| Characteristics of the elastomer (N) |                        |
|--------------------------------------|------------------------|
| Colour :                             | Black                  |
| Basis of polymer :                   | NR/SBR                 |
| Specific weight:                     | 1,55 g/cm <sup>3</sup> |
| Hardness Shore – A :                 | 70°±5°                 |
| Tensile strength :                   | > 3,0 MPa              |
| Elongation after fracture:           | > 200 %                |
| Operating temperature :              | from -20°C to + 70°C   |
| Permissible load :                   | ≤ 4 N/mm <sup>2</sup>  |

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