

## PROXON MASTIC PAD

### PROXON MASTIC PAD A

durable mastic pad specifically engineered for in-situ concrete, offering excellent compression recovery, chemical resistance, and long-lasting performance.



#### What

**PROXON MASTIC PAD**, made from water-resistant, bitumen-impregnated cane fiber, is a high-performance, eco-friendly alternative to plastic fillers. Available in 4ft x 2ft sizes with thicknesses of 10-25 mm, it offers 95% recovery after 50% compression.

#### Where?

Expansion joint filler strips are essential for concrete traffic surfaces like highways, runways, and streets. They are used in driveways, pavements, and reinforced structures such as piers and retaining walls, ensuring durability in various concrete works and paving.

#### Usage

Expansion joint fillers are used in various applications, including external wall cladding for structural joints, traffic surfaces like roads and runways, internal concrete floors with heating, roofs, basements, water-resistant structures, and reinforced concrete supports like piers.

#### How to use?

- Closed cell: negligible absorption
- Excellent recovery: after compression
- High resistance: to chemicals
- Bitumen free: no staining
- Easy installation: cut, handle
- Rot proof: long-lasting use

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### Physical Properties

**PROXON MASTIC PAD** Expansion Joint Fillers meet ASTM-D. 1/51-83/0.545-84, Department of Transport London 1986, and B.S. 1142 standards. They provide strong performance with an 80/84% recovery rate after compression to 50% thickness and low moisture absorption due to bitumen impregnation. Suitable for concrete paving and structural construction, these fillers are ideal for typical joints with optional bitumen content adjustments.

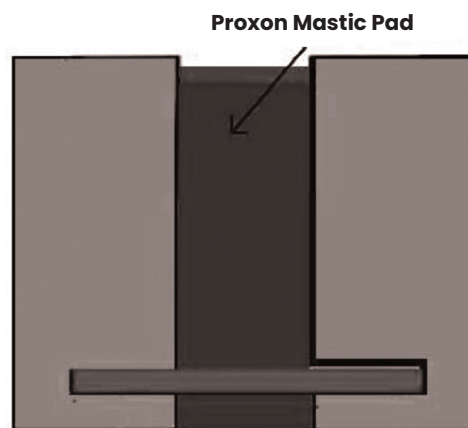
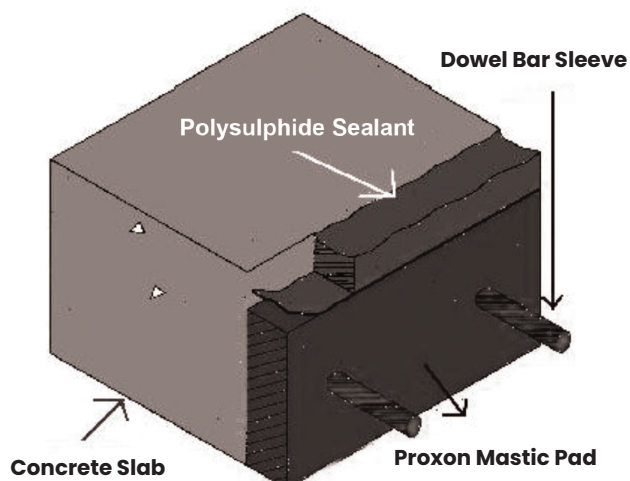
**Extrusion:** When compressed to 50% of its thickness with three edges restrained, **PROXON MASTIC PAD** shows an extrusion of 1-2 mm at the free edge (permitted up to 6.4 mm).

**Compression:** **PROXON MASTIC PAD** compresses 50% under loads of 689 to 5171 kPa without losing more than 0.1 to 0.2% by weight, well below the 3% permitted limit.

**Durability & Handling:** **PROXON MASTIC PAD** is tough and retains its thickness and surface finish under load and stacking. Its bitumen impregnation prevents water absorption and ensures long-lasting durability in severe environmental conditions.

### How to use?

The **PROXON MASTIC PAD** is brought flush with the concrete slab and extends full depth, placed about ¼ inch below the surface. A suitable sealant is applied at the top or bottom of the slab to close the joint against hydrostatic pressure. **PROXON MASTIC PAD** is fabricated to receive dowel bars, and the joint assembly is placed before pouring concrete.



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## Physical Properties

| TEST AS PER ASTM D1715  | 25MM THICK 35% BITUMEN |
|---|------------------------|
| Dimension Thickness (mm)  | 25M                    |
| Compression   |                        |
| a) Stress applied for compressing specimen to 50% of its thickness  | 2800-3200 KPa          |
| b) Loss in weight after application of stress                       | 0.1-0.2 %              |
| Extrusion (mm) After compressing to 50% of the specimen's thickness | 0.5 mm                 |
| Recovery(%) After compressing to 50% of the specimen's thickness    | 75 - 80%               |
| Density (Kg/m <sup>3</sup> )  | 300-350                |
| Water absorption (%)  | 15%                    |
| Ashphalt content (%)  | 36-37%                 |

| TEST AS PER ASTM D1715  | 18MM THICK 20% BITUMEN |
|---|------------------------|
| Dimension Thickness (mm)  | 18.3M                  |
| Compression   |                        |
| a) Stress applied for compressing specimen to 50% of its thickness  | 2400-2700 KPa          |
| b) Loss in weight after application of stress                       | 0.1-0.2 %              |
| Extrusion (mm) After compressing to 50% of the specimen's thickness | 0.5-1 mm               |
| Recovery(%) After compressing to 50% of the specimen's thickness    | 82 - 85%               |
| Density (Kg/m <sup>3</sup> )  | 300-330                |
| Water absorption (%)  | 50%                    |
| Ashphalt content (%)  | 20-23%                 |

## Data sheet of PROXON PROMASTIC PAD as per British Standard 6093

| PROPERTY                                       | PROXON MASTIC PAD                    | BRITISH STANDARD |
|--|--------------------------------------|------------------|
| Density Range Kg/m <sup>3</sup>                | 270 - 300                            | 200 - 400        |
| Pressure for 50% compression Nmm <sup>-2</sup> | 2.5 - 3.8                            | 0.7 - 5.2        |
| Resilience % recovery after compression        | 75 - 80                              | 70 - 85          |
| Tolerance to water immersion                   | Suitable for immersion is infrequent |                  |

# **PROXON MASTIC PAD**

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