

## FONODAN BJ.

Auto-adhesive tape for acoustic insulation of waste pipes.



EPD S-P-04340

FONODAN BJ is a two layer product made of a self-adhesive high density bitumen membrane thermally bonded to a cross-linked polyethylene. FONODAN BJ acoustically works providing the acoustic mass of the tube body and removing resonant frequencies.

### Presentation

- Length (cm): 1000
- Width (cm): 47
- Thickness (mm): 3.9
- Thickness (mm) ~ Standard: EN 1923
- Surface (m<sup>2</sup>): 4.7
- Colour: Yellow
- Product code: 610207

### Technical Data

Concept	Value	Standard
Mass per unit area (nominal) (kg/m <sup>2</sup> )	3	EN 1849-1
Improvement of airborne sound insulation between panels; ΔRA	>3	EN 1849-1
Thermal conductivity of cross-linked polyethylene (W / m K)	0.050	EN 12667
Remainder deformation (24h compressed at 50%, 23°C) (%)	< 35	EN 1856
Nominal mass (g/ml)	1400	EN 1849-1
Reaction to fire	B s1 d0	EN 13501-1
Compressive strength at 25% (kPa)	> 12	-

Concept	Value	Standard
Longitudinal tensile strength (N / 5cm)	> 450	EN 12311-1
Dynamic stiffness (MN/m <sup>3</sup> )	<= 100	EN 29052-1
Work temperature (°C)	> 10	-
Thickness tolerance (%)	+/- 0,2	EN 823
Tolerance Length and Width (%)	1	EN 822
Hysteresis work (Nm)	> 2	EN 3386-1

## Additional Technical Data

Impact noise enhancement  $\Delta L_n$  (dB) EN 13501-1 -

## Environmental Information

Concept	Value	Standard
Volatile organic compounds (COV's) ( $\mu\text{g}/\text{m}^3$ )	15	ISO 16000-6:2006
Content of recycled raw material (%)	14,4	-
Pre-Consumer recycled content (%)	100	-
Manufactured in	Fontanar - Guadalajara (España)	-

## Standards and Certification

- The sound certifications are the result of tests in an approved laboratory.
- \*For any questions about information on the tests, please consult our Technical Department.

## Advantages & Benefits

- Double reinforcement at bends and junctions increases acoustic performance.
- Easy and quick to install.
- High resistance to tearing.
- Prevents mould growth in the insulation.
- Insertion loss  $IL > 17$  dBA (complete system).
- Low thickness, easily adapts to the downpipe.

## Instruction for Use

### Preliminary operations

- For any self-adhesive product to work, the surface must be dry and clean. Therefore, once the downpipe has been installed, a damp cloth should be wiped over the surface and left to dry before applying the product.

- The product should be cut on a clean surface to prevent the polyethylene from dusting.
- The application temperature is more than 10° C, therefore, in winter it must be taken into account that the product has a lot of inertia and it takes time to reach the application temperature.

### **Laying FONODAN BJ**

- Cut the roll of FONODAN BJ to the length of the downpipe or in sections between 80 cm and 1 ml for the convenience of the applicator.
- Separate the release film and present it to the downpipe.
- Press the FONODAN BJ, first in the centre, then on one side until it is perfectly adhered and finally on the other side so that it is at least 3 cm above the glued side.
- When laying the next section, make sure that there is a 3 cm overlap over the already installed section.
- Rework the gluing at the overlap.
- For safety and durability reasons, we recommend placing an electrician's flange approximately every 50 cm, making it coincide with the overlaps of each section.
- The elbow and the junction will then be reinforced with Fonodan 130 tape, following the same criteria.
- The siphon pipe and the drainage pipes that are hanging down through the false ceiling will be lined with Fonodan 70 strip.
- Finally, the downpipe is fastened to the structure by means of steel flanges with neoprene incorporated.

### **Indications and Important Recommendations**

- Before applying the product it is recommended to see the BAJ1 system sheet of the Sound Insulation Solutions Manual.
- The use of flanges ensures the adherence of the product to the downpipe over time.
- To ensure that there are no indirect transmission losses and that the insulation depends exclusively on the material, the bathroom floor must be plastered with plaster projection or protected with a false ceiling with insulation  $R > 30$  dBA.
- Recommended temperature for application  $> 10^{\circ}\text{C}$ .
- It will be taken into account that this product is part of a Sound Insulation system, so the Danosa Constructive Solutions Catalogue, Sound Insulation Commissioning must be taken into account. "Details of Singular Points" (SPD), as well as the rest of the Danosa documentation.
- Special care will be taken in the slab steps, subsequently sealing the possible gap between it and the material with high-density elastic putties.