

BITUMEN HEAVY MASSES

Description

The heavy mass range is made up of viscoelastic bitumen that is used to deaden vibrations and provision of mass, both in the building sector and in the industrial environment.

These products sheets that are 3.5 mm thick and whose surface density is 5Kg/m². In addition, they are self-adhesive and can be cut easily following the required format

Key characteristics

<i>Flexibility :</i>	Elastomer bitumen
<i>Size :</i>	1,030 x 1,000 mm
<i>Total thickness :</i>	3.5 mm (Standard)
<i>Surface density :</i>	5 Kg/m ²
<i>Inferior side :</i>	Self-adhesive bitumen

Tariffs

For 1 plate :	46.78 €Excl. tax per plate	For 25 plates :	26.26 €Excl. tax per plate
For 3 plates :	41.42 €Excl. tax per plate	For 50 plates :	21.56 €Excl. tax per plate
For 5 plates :	36.48 €Excl. tax per plate	For 100 plates :	18.45 €Excl. tax per plate
For 10 plates :	31.82 €Excl. tax per plate	For 200 plates :	16.00 €Excl. tax per plate

CARRIAGE COSTS



**CARRIAGE COSTS ARE CALCULATED
ACCORDING TO THE DELIVERY POINT**

RUBBERS

POLYURETHANES

FOAMS

PLASTICS

10 rue Ferdinand

42000 SAINT-ETIENNE

FRANCE

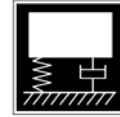
 : contact@devistechnique.com



Pièces suivant plans



Étanchéité



Anti-vibratoire



Acoustique

Technical and acoustic characteristics

<i>Resistance to vertical creep</i>	<i>75°C for a bitumen-based adhesive</i>
<i>Cold bendable following the UEAtc directive</i>	<i>By 0°C no cracks</i>
<i>Gain in dampening on metal sheet</i>	<i>1.5 dB</i>

Physical principle

Bitumen heavy masses have have 3 key properties :

- *The provision of mass* in order to increase the insulation of a wall against sound waves (Theoretical mass law : gain of 6 dB of soundproofing by doubling the support's surface mass)
- *Dampening vibrations* by dispelling mechanical energy in the form of heat by the means of inner frictions between the molecules that form viscoelastic. These materials allow reducing wear phenomena such as cracks or the increase in clearance in mechanical systems.
- *The material's intrinsic properties* : Bitumen heavy masses that have a high resonance frequency allow increasing acoustic attenuation index to the material's critical frequency on which they are affixed

Fields of application

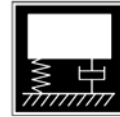
- *Reduction of impact noises* when parts hit metal sheets, metal cards, chutes, hoppers, conveyors, crushers, etc...
- *Transfer of vibratory energy* : metal structure such as the enclosure of machine cases, casings, transport tubes, ventilation ducts...
- *Acoustic reinforcement of a support* by stopping insulation losses at resonance frequency level.
- *The increase in acoustic attenuation index* by the means of mass effect on plaster walls, steel, aluminum, PVC, chipboard, roller shutter box...
- *Dampening of vibrations* by applying patches on metallic shapes such as bathhubs, stainless steel sinks, desks and metallic drawers...



Pièces suivant plans



Étanchéité

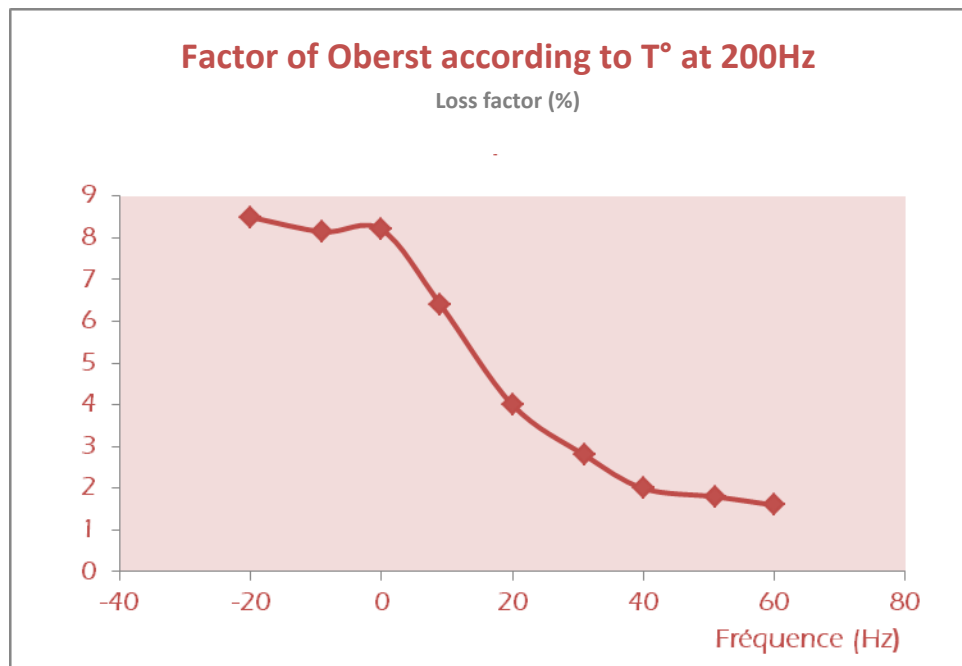


Anti-vibratoire



Acoustique

Gain in sheet metal insulation



Our products must be stored in closed and dry places, which do not undergo strong variations in temperature. **Room temperature during installation should be comprised between 15 and 30 °C.** Our bitumen must be stuck on clean and dry supports, which are also devoid of oil marks, fats or solvent. Once you remove the adhesive's protective film, press the whole surface to avoid air bubbles appearance. The information that appears on this technical data sheet is the result of our own experience. Because of the great variety of materials used on the market and many application processes, Solutions Elastomères disclaims all responsibility for inappropriate use. We recommend you to determine through tests realized on your own materials and following your specific application whether the product meets your requirements.

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