

# IVI-Felt Batten



Sustainable since 1927

## SOUND INSULATION FOR FLOOR, WALL, CEILING & ROOF

Sound insulation in buildings has become a major focus of attention. Not only are the demands in this sector rising, the legal standards have also become considerably more stringent. So it comes as no surprise that there are more and more questions on how to achieve good sound insulation. Nevima has over 60 years of experience in sound insulation and offers solutions with various products. The IVI-Felt Batten is one of them.

### General

An acoustically decoupled wall lining is most effective for achieving high sound insulation. The **IVI-Felt Batten** system offers a great deal of flexibility because it can be used for any application, whether wall, ceiling, floor or roof.

### Description

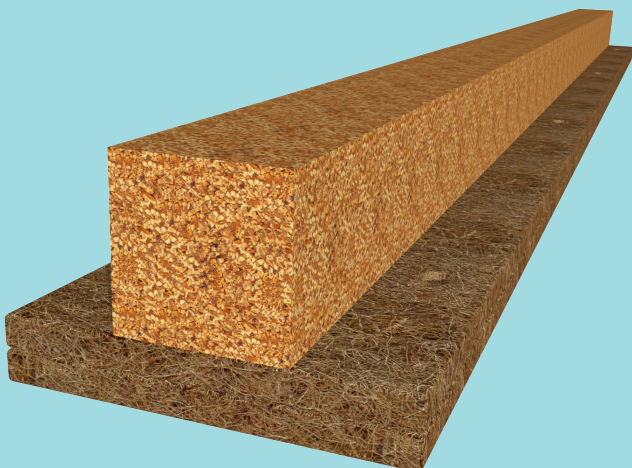
The IVI-Felt Batten is composed of a 120 mm wide permanently resilient strip of 2 layers of 12 mm coconut felt. On it, a 47 mm wide batten of chipboard is glued and stapled. In general, the deeper the cavity, the better the insulation value.

With the IVI-Felt Batten, a resilient framework is constructed. The felt is attached to the existing construction. An absorption material should be placed between the batten. Possible products for this are **IVI-Absorption Wool** or any other absorbent material. A cladding of, for example, (double) plasterboard, gypsum fibre or cement-bonded board is then installed on the IVI-Felt Batten. It is of great importance that this cladding is also decoupled at the surroundings. The Nevima **IVI-Acoustic Felt Tape** (self-adhesive felt) is used for this purpose.



### Benefits:

- ✔ **Easy, fast and easy to process**
- ✔ **Sustainable**
- ✔ **Made from renewable and reusable raw materials**
- ✔ **The resilient properties of coconut felt are not subject to ageing**
- ✔ **Universally applicable**



There are adapted mounting instructions for the various applications. When used for the floor, the batten do not need to be fixed. In the case of a ceiling, wall or roof, the batten are fixed using screws with washers through the pre-punched fixing holes.

To increase the airborne sound insulation, the cavity can be increased. That is why three standard heights are available with corresponding cavities; 40, 60 and 80 mm. For applications that require an even deeper cavity, Nevima has developed the **IVI-Top Insulation System** and the **IVI-Metal System**.



## Mounting

Before processing, the existing construction must be made airtight first. The IVI-Acoustic Felt Tape is then applied all round. A vertical framework is then made with the IVI-Felt Batten. Depending on the substrate, these are attached with nailable plugs or plasterboard screws and a washer. A sound absorption material is subsequently applied between the IVI-Felt Batten. At least 70% of the cavity should be filled with this material. Finally, after the sheet material has been applied, the cavity at the location of the acoustic felt tape is filled with a flexible sealant, to make the construction airtight.

Nevima products have been used successfully for many years to insulate the sound burden from, for example, neighbours, the hotel and catering industry, cinemas, aircraft and traffic noise. Please refer to the references on our site. As an additional advantage, the system also increases thermal insulation and prevents thermal bridges.

## Acoustic properties

	Rw	ΔRw	Ilu	ΔIlu	RAweg	ΔRAweg	DnT,A	ΔDnT,A
100 mm sand-lime brick wall (175kg/m <sup>2</sup> )		43	-	-10	-	37	-	41
insulated with: IVI-Felt Batten 40*	62	19	+8	18	53	16	59	18
IVI-Felt Batten 60*	63	20	+10	20	56	19	60	19
IVI-Felt Batten 80*	67	24	+14	24	59	21	64	23

\*system including mineral wool and 2x12.5 mm gypsum plasterboard cladding. Dutch reports available on request.

## Dimensions in mm

	length		height		total
	batten	coconut felt	batten	coconut felt	
IVI-Felt Batten 40	1250	19	24	24	43
IVI-Felt Batten 60	1250	38	24	24	62
IVI-Felt Batten 80	1250	57	24	24	81

Nevima IVI-Acoustic Felt Tape: 5 x 42 mm on a roll of 10 m<sup>1</sup>  
5 x 32 mm on a roll of 10 m<sup>1</sup>

## Technical properties

Batten	: chipboard
Resilient strip	: natural coconut fibres, with latex applied
Fixation	: glued and stapled
Nevima IVI-Acoustic felt tape	: felt of recycled polyester fibres with self-adhesive (acrylic, solvent free)



## A product of Nevima B.V.

Supplier of products for noise insulation, sound absorption, floating screeds and bearing materials.

Telephone: 033 - 461 1245 Email: info@nevima.nl Website: www.nevima.nl