

## TECSOUND TUBE

TECSOUND TUBE is a soundproofing complex. The upper face consists of TECSOUND, a synthetic and viscoelastic, polymer based, bitumen-free high density membrane. The lower face is coupled with a non-woven polyester fleece.

### ADVANTAGES

- High sound insulation of pipes, with the combined effect of an absorbing and a sound-insulating viscoelastic material.
- Reduction of the transmission of vibrations in pipes, caused by drainage of liquids, to the structure (transmission of structural noise), as well as contact noise in bends.
- Flexible and adaptable to all types of piping (round or square) and connections, ensuring the continuity of insulation so eliminating the need for specific pieces for bends and connections.
- Good behaviour at low temperatures, without breaking or cracking.
- Easy to handle and cut.
- Simple installation thanks to low thickness. Suitable for renovation.
- Ageing resistance.
- Rot resistant.



### APPLICATIONS

- Acoustic insulation of water, rain and drain pipes in buildings.

### INSTALLATION

#### CONDITIONS:

Substrate and/or ambient temperature: min. +5 ° C to max. +35 ° C.

The substrate must be dry, clean, free from dust and free from elements that could damage the membrane.

#### INSTALLATION:

Measure the circumference of the pipe and add 50 mm for the overlap and cut to the desired length. It is recommended to cut strips smaller than 1-1,2 m to facilitate handling.

Wrap the product around the pipe so that the polyester fleece touches the entire surface and overlaps in the longitudinal direction. Start at the bottom of the pipe and work your way up. Do not overlap the transverse joints (only butt joint), but connect tightly to avoid gaps. Secure the strips with cable ties every 30-40 cm.

Seal the joints well, with TECSOUND S50 BAND because openings have a negative effect on the sound-reducing capacity.

Contact the manufacturer in case of technical questions.

## PACKAGING AND STORAGE

TECSOUND TUBE	
Mass (kg/m <sup>2</sup> )	3,75
Thickness (mm)	4,75
Length (m)	8,0
Width (m)	0,40
m <sup>2</sup> /roll	240
Rolls/pallet	30

available in boards/sheets on request

Store the rolls vertically on pallets in its original packaging, protected from moisture, sunlight and heat at a temperature of max. +35 °C. Do not stack the pallets on top of each other. The rolls have a shelf life of 1 year.

In cold periods, installation can be facilitated by allowing the product to stand at +2 °C for at least 5 hours before use.

## CHARACTERISTICS

Technical properties	Standard	Value	Unit
Density (TECSOUND)	-	2010	kg/m <sup>3</sup>
Density (fleece)	-	259	kg/m <sup>2</sup>
Tensile strength	NT-67	> 30	N/50 mm
Flexibility at low temp.	EN 1109	-25	°C
Service temperature	-	-10 up to +70	°C

## SOUND REDUCTION

### Example of noise reduction of a PVC drain pipe

Frequency (Hz)	L <sub>an</sub> (normalized airborne noise level) 2,0 l/s	
	with TECSOUND TUBE) (dB)	without TECSOUND TUBE) (dB)
125	32,8	35,5
250	26,3	30,2
500	24,2	31,4
1000	30,3	41,0
2000	30,2	44,4
4000	28,9	46,2
IL, a, A (reduction of airborne sound transmission)		
1 l/s	15 dB(A)	
2 l/s	14 dB(A)	
4 l/s	13 dB(A)	

Testing according to EN 14366



## SPECIAL INDICATIONS

### Hygiene, Health and Environment

The product does not contain any substance which is likely to be detrimental to your health or to the environment and complies with generally admitted Health and Safety Requirements.

### Quality-, Environment- and Safety Management

**SOPREMA** always recognises as a high level of importance the quality of the products, the environment and safety. For this reason, we operate independently monitored Quality and Environment Assurance Systems in line with **EN ISO 9001** and **EN ISO 14001**.

