

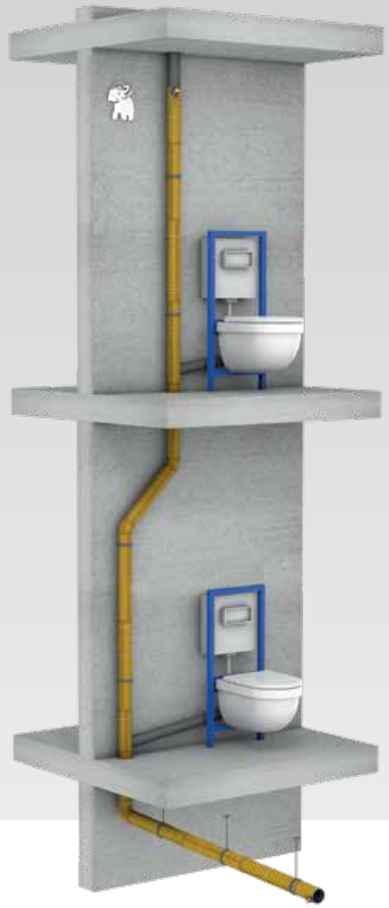


**SOUNDPROOFING**
WASTE PIPES

# **TECSOUND®** TUBE S

SOPREMA

# TECSOUND® TUBE S



**Tecsound® Tube S** is a soundproofing complex made out of **Tecsound** membrane bonded to a non-woven porous polyester fleece.

Tecsound® Tube S is **specially designed** for :

- **Soundproofing** of waste water pipes (tertiary and residential buildings).
- **Vibration damping** and **structural noise attenuation.**

**Tecsound® Tube** is suitable to soundproof all type of pipes: PVC, fiber cement, metal.



## TECSOUND® TUBE S

- Thickness → **4,75 mm**
- Dimension of roll → **8 x 0,4 m**
- Roll per pallet → **40**

Sales unit : roll.
Vertically placed on pallet.

## ACCESSORY

**Tecsound® S50 Band 50**



## The +

- Low thickness helps installation.
- Suitable for new and refurbishement jobs.
- Does not crack or break at low temperatures.
- Practical use: suitable for use in confined spaces,flexible and adaptable to elbows and branches.
- Excellent ageing resistance.
- Easy to handle and cut.
- Easy and quick installation directly on the drain pipe.
- High performance : significant reduction of airborne and impact noise.

ÉMISSIONS DANS L'AIR INTÉRIEUR A+ (A+ A B C)

Information on the level of emission of volatile substances in indoor air, presenting a risk of toxicity by inhalation, on a class scale ranging from A+ (very low emissions) to C (high emissions).

## INSTALLATION GUIDELINES

**A-** Cut the roll at the desired length not exceding 1 meter. If the diameter is below 100 mm, cut the roll crosswise at the pipe diameter providing further 50 mm for the overlaps.

**B-** Wrap the **Tecsound® Tube S** with the polyester felt side around the pipe. In case of refurbishment, pipe clamps must be open to allow a continuous insulation of the pipe.

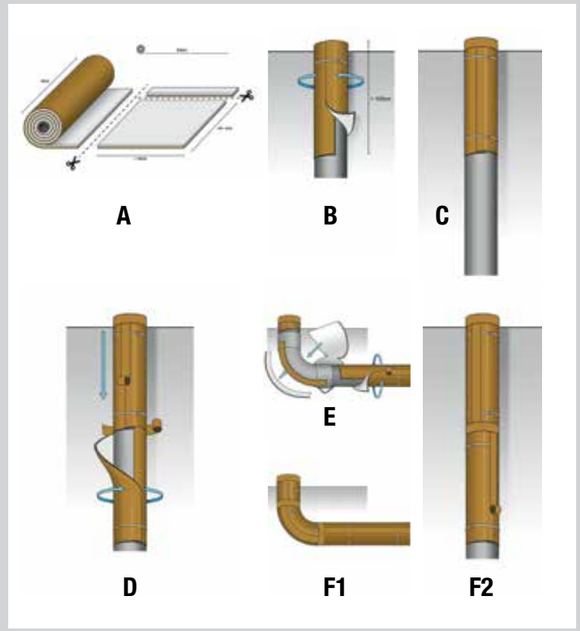
**C-** Fasten the product using cable ties every 30-40 cm.

**D-** Seal overlaps and joints using **Tecsound® S50 Band 50**.

**E-** Apply Tecsound S50 Band 50 to elbows to improve impact noise damping. Apply the adjoining pieces butt joined without leaving any gaps.

## Warnings

- In case of refurbishment, start the installation of the Tecsound Tube from the pipe clamps. Calculate the number of pieces needed.
- If new job, please ensure that the pipe clamps are big enough to embrace the soundproofing solution.



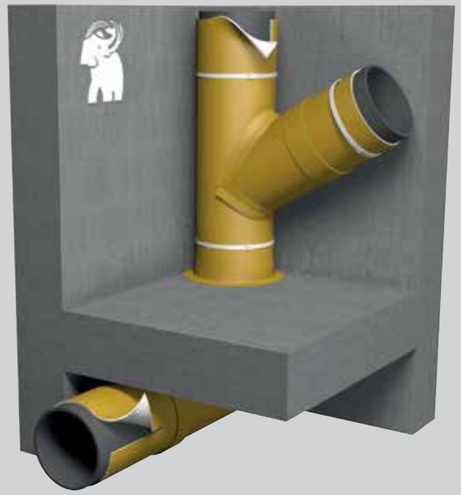

## Acoustic performance

Soundproofing Solution performance Index

**Insertion loss factor ($IL_{a,A}$) :**

Measured in dB(A), defines the acoustic performance following EN 14366 (2005) of the insulation wrapped around a 100 mm PVC waste water pipe.

**The higher the $IL_{a,A}$, the better the insulation.**

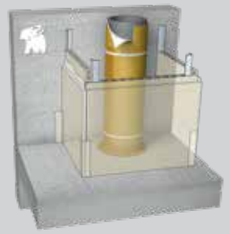


| Characteristics | Value |
|---|---|
| Flow | 2,0 l/s |
| Airborne noise $L_{an}$ bare PVC pipe | 55 |
| Airborne noise $L_{an}$ PVC + Tecsound Tube | 41 |
| **Acoustic insulation -** Insertion loss of airborne noise ($IL_{a,A}$) | **14** |

## Acoustic performance of the pipe technical shafts

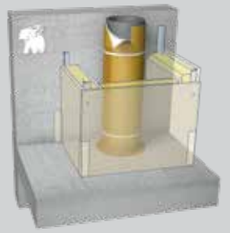
Airborne noise pressure level $L_{an}$ and structural noise $L_{sc}$ measured in dB (A) of the waste water pipe $L_{nAT}$ radiated in a room = $L_{an}$ + $L_{sc}$.

**The lower $L_{nAT}$ , smaller is the noise emission.**



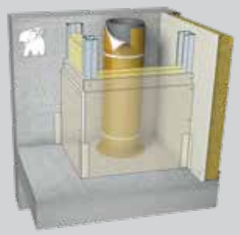
Honeycomb partition 50 mm

| Characteristics | Bare PVC | PVC + Tecsound TUBE |
|---|---|---|
| Straight vertical pipe | 36 | **23** |
| Straight pipe with 45° deflection | 44 | **33** |
| Horizontal pipe | 41 | **28** |



Lightweight partition with mineral wool

| Characteristics | Bare PVC | PVC + Tecsound TUBE |
|---|---|---|
| Straight vertical pipe | 25 | **18** |
| Straight pipe with 45° deflection | 35 | **26** |
| Horizontal pipe | 29 | **20** |



1/2 partition, 2 plasterboard standard with mineral wool

| Characteristics | Bare PVC | PVC + Tecsound TUBE |
|---|---|---|
| Straight vertical pipe | 24 | **16** |
| Straight pipe with 45° deflection | 34 | **25** |
| Horizontal pipe | 28 | **18** |

Simulated values via ACOUBAT V8 EN 12354.

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Do you have a question about a specific project, the products or application possibilities? Then contact our technical team.

All information can be found on:
**www.soprema.co.uk**

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