



SOUNDPROOFING

TECSOUND ACOUSTIC BAFFLE

SOUNDPROOFING



ACOUSTIC ABSORPTION PANELS FOR WALLS AND CEILINGS



The TECSOUND ACOUSTIC BAFFLE is a melamine foam panel used for noise absorption and acoustical correction inside buildings. The TECSOUND ACOUSTIC BAFFLE panel offers excellent acoustic qualities thanks to its open-cell structure, and blends in well with various interior design elements.



SOPREMA.US • 1.800.356.3521 SOPREMA.CA • 1.877.MAMMOUTH



TECSOUND ACOUSTIC BAFFLE

ACOUSTIC ABSORPTION PANELS FOR WALLS AND CEILINGS

BENEFITS

- Excellent product for absorbing noise and attenuating reverberations in order to reduce echo
- Very light fibreless product that is easy to install
- Aesthetic acoustic product that blends well with the decor

PRODUCT FEATURES

| TECSOUND ACOUSTIC BAFFLE | | | |
|---|---|-------------------|------------------------|
| THICKNESS | 2 in (50 mm) | WEIGHT | 0.9 lb (0.4 kg) |
| DIMENSIONS | 47.25 in × 23.63 in (1,200 mm × 600 mm) | COLOUR | Light grey |
| SURFACE AND UNDERFACE | Full thickness melamine foam | PACKAGING | Box of 7 units |
| NRC SOUND ABSORPTION RATING (ASTM C423) | | 0.85 | FIRE RATING (ASTM E84) |
| | | FLAME SPREAD | 5 |
| | | SMOKE DEVELOPMENT | 100 |

INSTALLATION METHODS

TECSOUND ACOUSTIC BAFFLE panels can be installed by two methods, either suspended from the ceiling or bonded to walls or ceilings. As melamine foam is a relatively fragile material, the panels must be handled with care.



Figure 1

INSTALLATION SUSPENDED FROM THE CEILING (Fig. 1)

For this installation methods, you must use fasteners (Fig. 2 and 3) for TECSOUND ACOUSTIC BAFFLES with two fasteners per panel (Fig. 4).

The panels are then attached to the ceiling using wire or small chains.

The recommendations for the distance between the panels are as follows, but may vary depending on the configuration of the space to be treated:

- 600 mm front spacing,
- 900 mm side spacing,
- 900 mm ceiling spacing.

It is advisable to occupy the surface of the ceiling in a uniform way in order to make the acoustic treatment homogeneous while taking into account the presence of elements such as fans, lighting, and sprinklers.

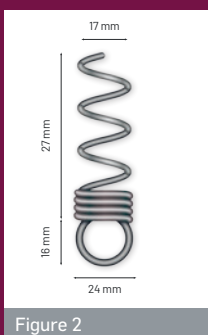


Figure 2



Figure 3

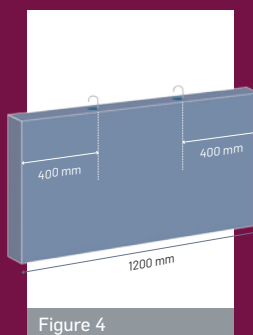


Figure 4



Figure 5

INSTALLATION BONDED TO THE WALL OR CEILING (Fig. 5)

TECSOUND ACOUSTIC BAFFLE panels are glued to the substrate using our TECSOUND CLG 3900 acoustic compound by making a random pattern on the panel as shown in Fig. 6. The panel should be bonded to the substrate immediately after application of TECSOUND CLG 3900 to the panel. Adhesion is immediate and reaches its maximum after approximately 24 hours depending on temperature and humidity conditions.

One 828 ml cartridge of TECSOUND CLG 3900 will cover three to four panels of TECSOUND ACOUSTIC BAFFLE. Consumption may vary depending on the applicator. It is necessary to promote greater consumption for bonding to ceilings and less for the walls.

It is recommended to protect the panels on the walls with mesh or decorative elements such as wood panels with spaced laths. However, it is important to cover the surface of the panels as little as possible so as not to reduce acoustic efficiency.

It should be noted that for ceilings, the suspended method is more effective since the absorbent surface of the panel will be multiplied by two because the absorption will be done by the two faces of the panel compared to only one face with the bonding method.

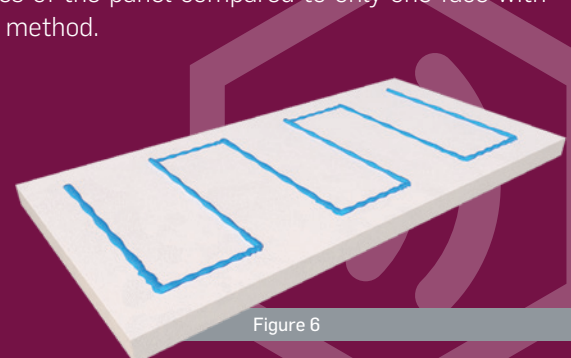


Figure 6

USES

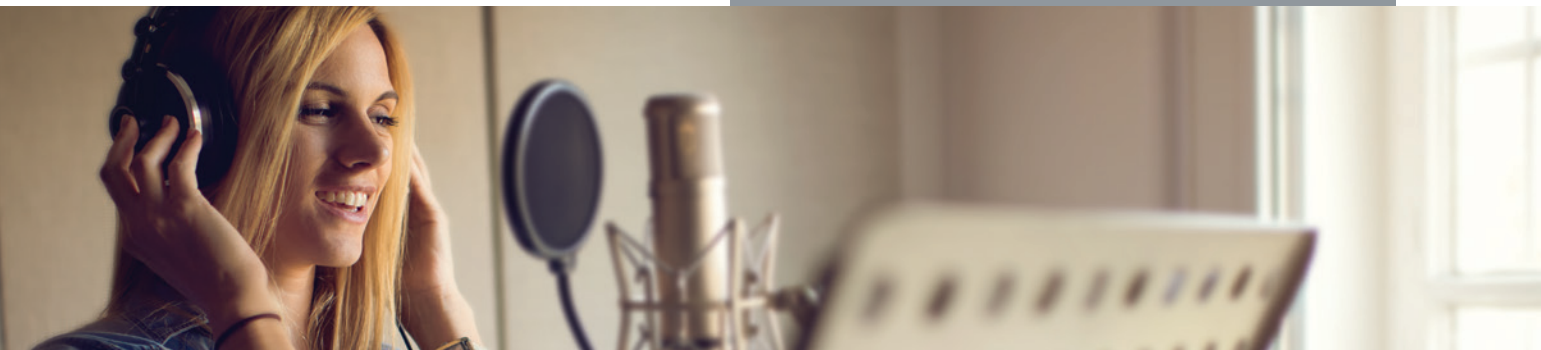
TECSOUND ACOUSTIC BAFFLE panels are used to absorb noise and attenuate reverberation and echo inside commercial, industrial or institutional buildings such as the following:

- Restaurants
- Bars
- Gymnasiums
- Indoor pools
- Music rooms
- Convention centres
- Open-plan offices
- Indoor playgrounds
- Bowling alleys
- Arenas
- Noisy industrial environments (manufacturing workshops)
- Public places (station halls, airports, and cafeterias)

STORAGE

TECSOUND ACOUSTIC BAFFLE panels must be stored indoors sheltered from the elements.

No other product or object must be stored on top of TECSOUND ACOUSTIC BAFFLE boxes.



WARRANTY

SOPREMA soundproofing products are guaranteed against all manufacturing defects and to be suitable for all stated uses. SOPREMA's liability under this guarantee is limited to replacing or refunding the purchase price of SOPREMA soundproofing products found to be defective.

If you have any questions about this product or its installation, please contact your SOPREMA representative.

