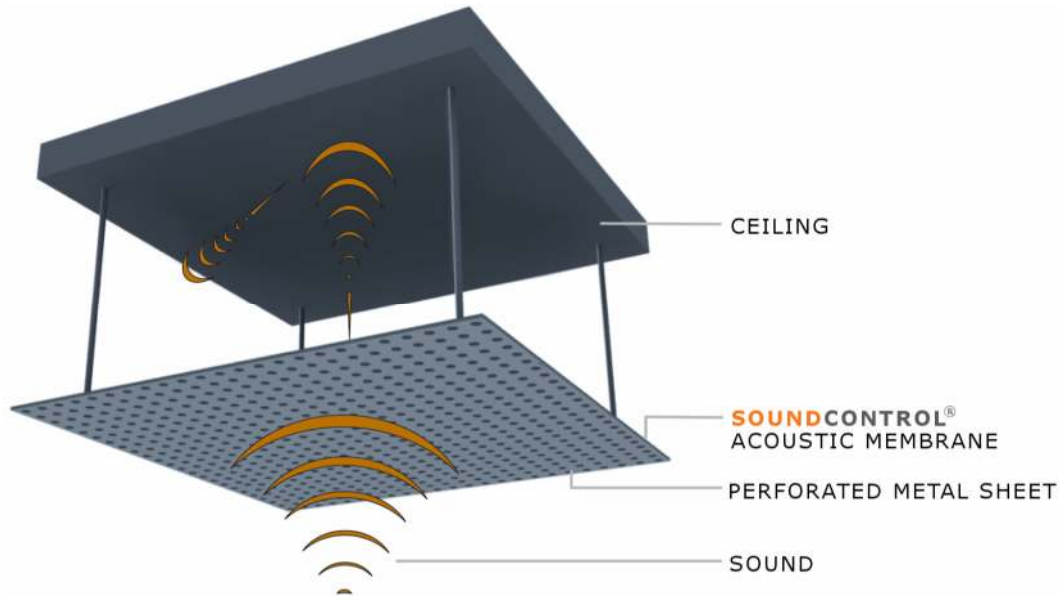


SOUNDCONTROL® ACOUSTIC MEMBRANE

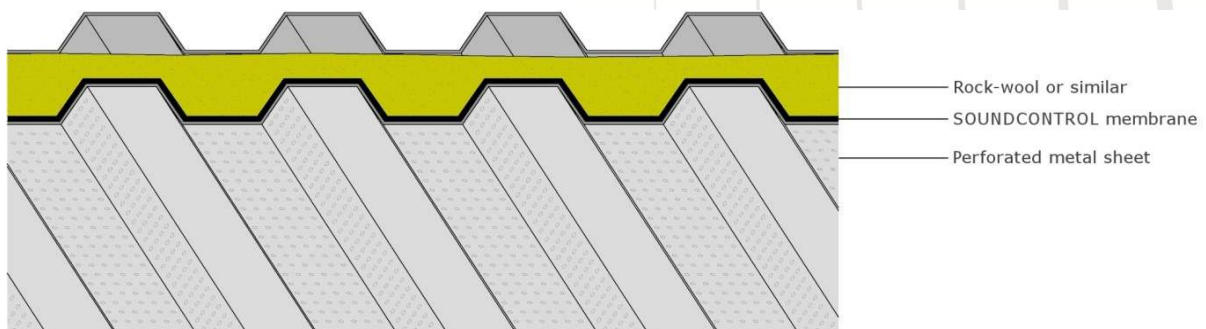
SOUNDCONTROL® for perforated panels is a self-adhesive, porous membrane that is characterized by great air resistance, which is necessary for efficient sound reduction. It is intended for use with perforated elements of metal, wood, plasterboard or plastic. Its purpose is to improve acoustic in a room, which is reached by improved sound absorption of a ceiling and/or walls.



Sound absorption capability (reduction of sound reflection) changes with:

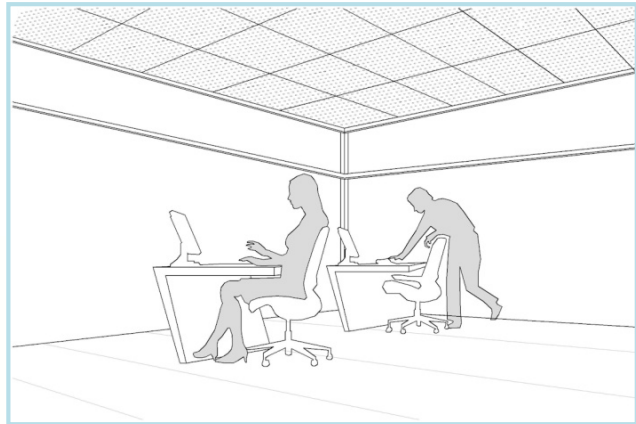
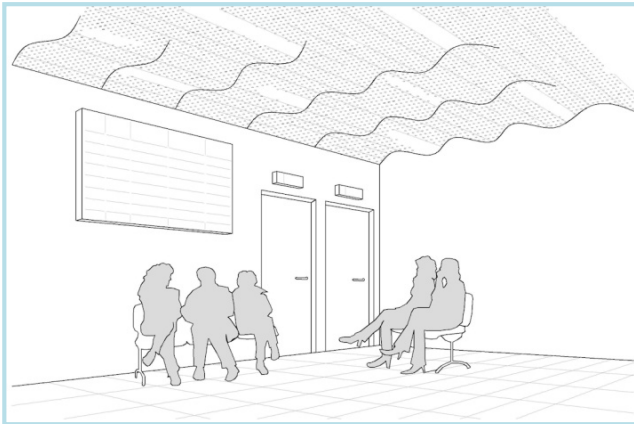
- The distance between two surfaces (e.g. concrete and suspended ceiling with perforated structure),
- The type of perforation (holes diameter and total portion of perforated surface) and
- The type of profile (corrugated, trapezoidal metal sheet or cassette profile).

SOUNDCONTROL® for perforated panels can also be used in a combination with rockwool or similar material for additional acoustic improvement. In this case it serves as a **protective barrier**, which prevents that small particles (e.g. dust or fibres) of rockwool would penetrate through the perforated ceiling into a room.



AREAS OF USE

- Offices
- Shopping centres
- Airport terminals
- Waiting rooms



MATERIAL PROPERTIES

COMBUSTIBILITY

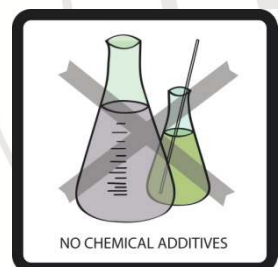
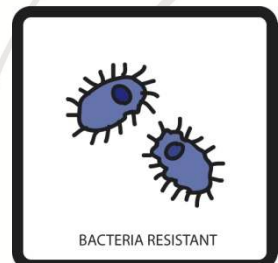
SOUNDCONTROL® is a non-burning material. This makes it appropriate for use in any kind of building.

BACTERIA RESISTANCE

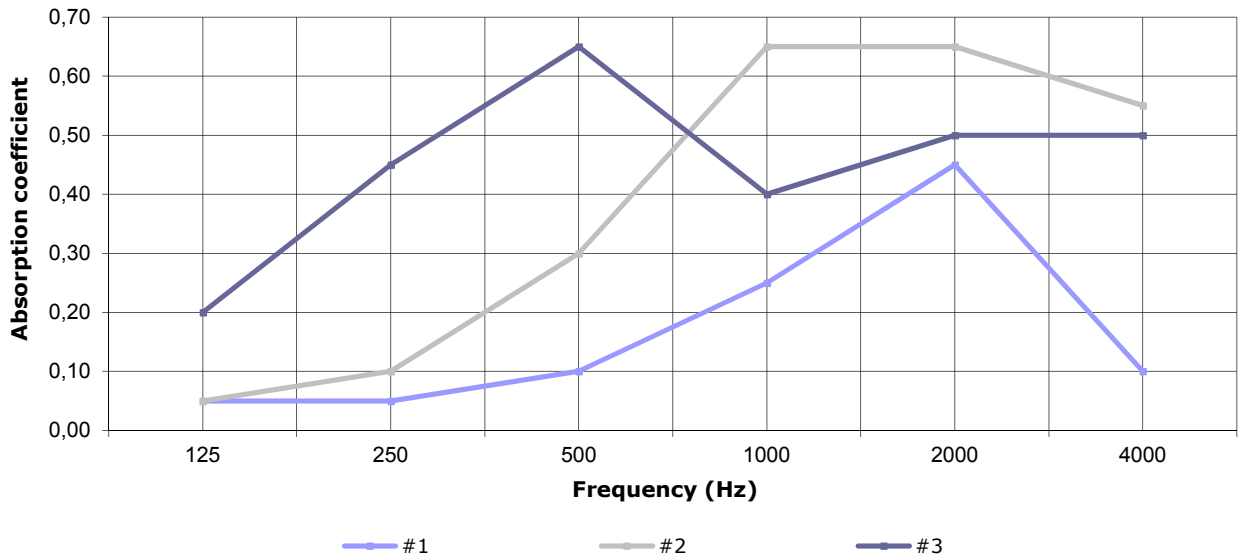
SOUNDCONTROL® is made of 100% polyester fibres. Polyester is a material resistant to bacteria.

NO CHEMICAL ADDITIVES

SOUNDCONTROL® do not emit any harmful substances and is completely safe to use in most environments.



SOUNDCONTROL - Reverberation room (EN ISO 354)



#1: Perforated metal sheet* + **SOUNDCONTROL****

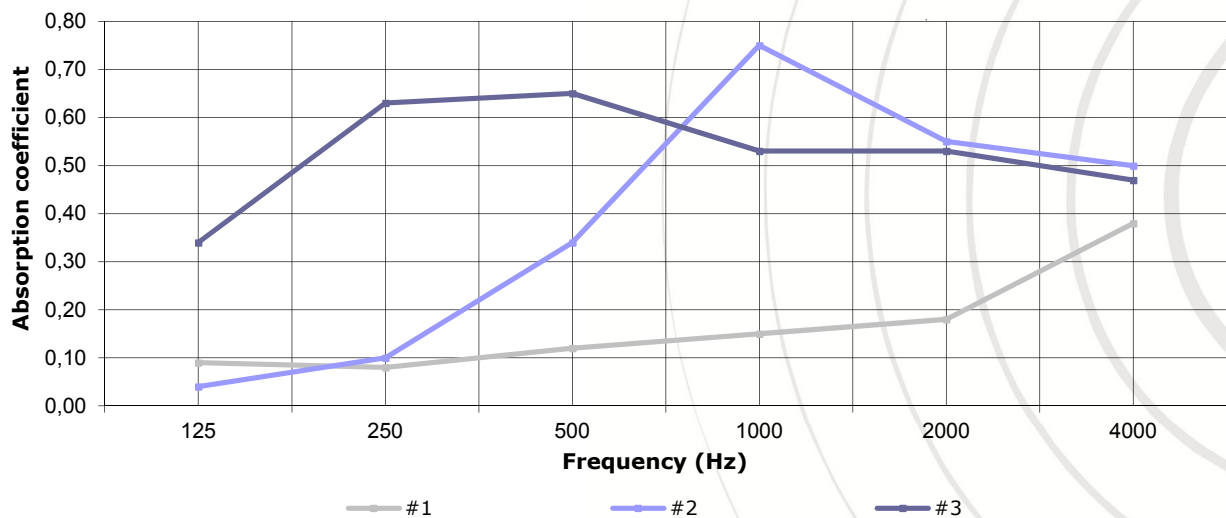
#2: Perforated metal sheet* + **SOUNDCONTROL**** + distance 50 mm

#3: Perforated metal sheet* + **SOUNDCONTROL**** + distance 200 mm

* Tested on a corrugated metal sheet with 18/76 (18 mm high) profile, thickness of metal 0,8 mm, 32,7% perforation and 3 mm holes diameter.

** Tested with SC C4481-1 80

SOUNDCONTROL - Impedance tube (ISO 10534-2)



#1: Perforated metal sheet *

#2: Perforated metal sheet * + **SOUNDCONTROL**** + distance 50 mm

#3: Perforated metal sheet * + **SOUNDCONTROL**** + distance 200 mm

* Tested on a perforated metal sheet with 16% perforation and 2,5 mm holes diameter.

** Tested with SC C4481-1 80

APPLICATION

SOUNDCONTROL® membrane is self-adhesive. However, there are two ways, how to apply the membrane to a perforated metal sheet:

- **SOUNDCONTROL**® C4481-1 **with glue in stripes**
- **SOUNDCONTROL**® C4481-6 **with glue on full surface**

Once the foil is removed and the membrane is applied to a metal sheet, the composite can go through a profiling process.



- **SOUNDCONTROL**® C4583 **with thermo active powder**

SOUNDCONTROL membrane with thermo-active adhesive powder, which activates when heated to 90°C.

