

# ACOUSTIVIBE

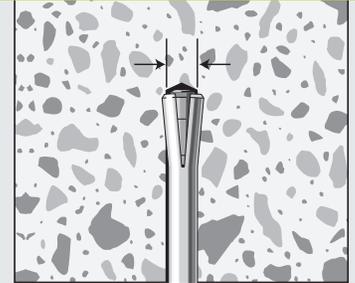
## CDC and WDC

SOUNDPROOFING ANCHORS FOR SUSPENDED CEILING

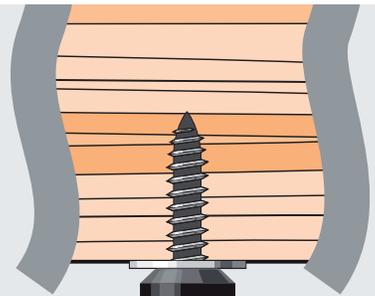
RESISTOSOUND, THE SOUNDPROOFING PRODUCT LINE

### ADVANTAGES

- Easy to install
- Heavy-duty anchors
- Prevent the transmission of vibrations



CDC



WDC

ACOUSTIVIBE CDC and ACOUSTIVIBE WDC anchors are used on structures other than wooden girders or joists. They separate the suspended ceiling from the structure to which it is attached. Hence, they have a vital role in an effective acoustic treatment.

A solution from

 RESISTO  
**SOUND**<sup>®</sup>

Soundproofing products

# ACOUSTIVIBE CDC and WDC

SOUNDPROOFING ANCHORS FOR SUSPENDED CEILING

By using these anchors, the transmission of vibrations from the structure to the suspended ceiling is prevented. The usual way to install a suspended ceiling is to attach it to the structure using various mechanical anchors and wires.

The wires are attached to the ACOUSTIVIBE CDC and ACOUSTIVIBE WDC anchors instead of conventional mechanical anchors in order to obtain better acoustic performance by preventing the transmission of vibrations.



## USES

### ACOUSTIVIBE CDC

For structures of concrete structural slab, of steel with concrete, of Hambro® type or any structures other than wood with concrete in which the ceiling is suspended.

### ACOUSTIVIBE WDC

For full-surface wooden structures of mill floor or CLT types in which the ceiling is suspended.

ACOUSTIVIBE WDC can also be used with wooden girders or joists when using a suspended ceiling with acoustical tiles. If the suspended ceiling is gypsum, use the conventional Acoustivibe system with steel metal furring (see separate data sheet).

## ACOUSTIVIBE CDC AND WDC SPECIFICATIONS

- Composed of galvanized steel, optimal acoustic load of 30 kg (66 lb)
- Indicative coverage of 0.8 to 1.0 m<sup>2</sup> (9 to 11 sq. ft.) per ACOUSTIVIBE CDC or WDC
- Packaging: delivered in boxes of 100 units
- ACOUSTIVIBE CDC installation tool and drill bit sold individually

Note: On an indicative basis, 2 layers of 16 mm (5/8 in) gypsum weigh about 19 kg/m<sup>2</sup> (4 lb/sq. ft.) So an Acoustivibe positioned every 0.84 m<sup>2</sup> (9 sq. ft.) will amount to a gypsum load of 16.3 kg (36 lb) per Acoustivibe, and an Acoustivibe positioned every (1.02 m<sup>2</sup>) 11 sq. ft. will represent a load of 20.0 kg (44 lb) per Acoustivibe.

## SURFACE PREPARATION

As ACOUSTIVIBE CDC and ACOUSTIVIBE WDC anchors replace conventional mechanical anchors, there is no specific surface preparation required other than to ensure that the structure can hold the suspended ceiling.

# ACOUSTIVIBE CDC and WDC

SOUNDPROOFING ANCHORS FOR SUSPENDED CEILING

## ACOUSTIC PERFORMANCES

Difference  $\Delta L$  (dB) of the level of solid-borne sound of a pin bearing a load of 13 kg  
(Pv No. 9273/14 Müller-BBM GmbH laboratories)

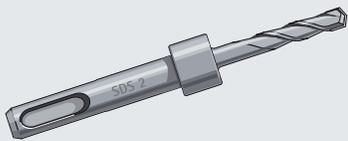
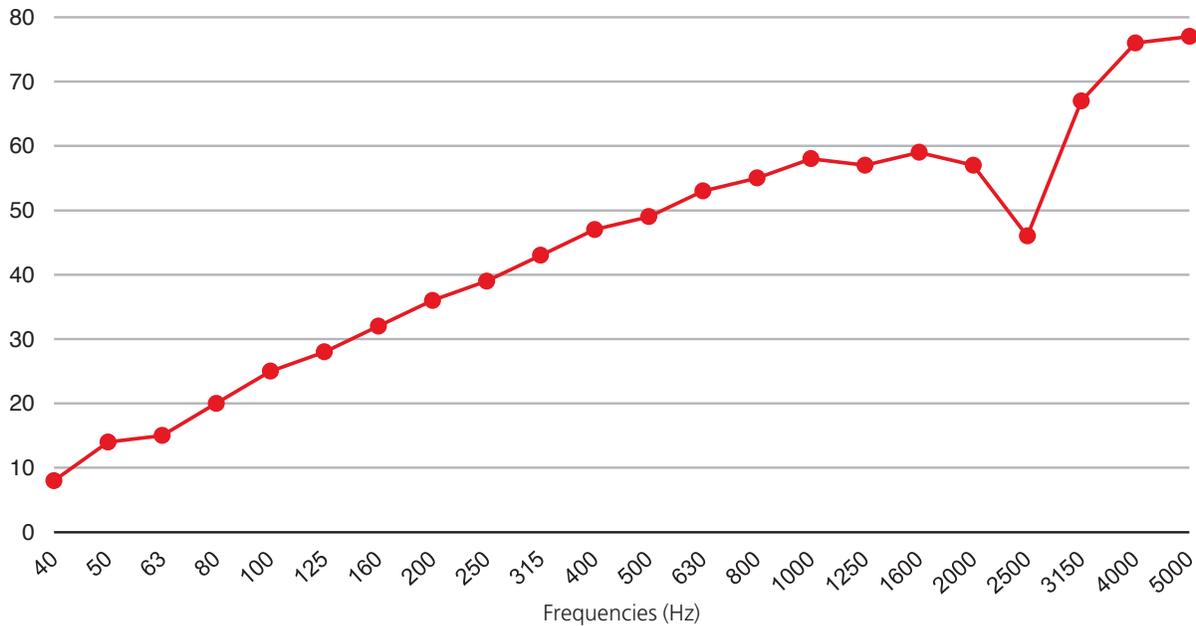


fig.1



fig.2

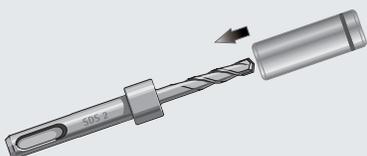


fig.3

## INSTALLATION METHOD

### ACOUSTIVIBE CDC

The ACOUSTIVIBE CDC is installed every 122 cm (48 in) in both directions. First, drill a hole with the ACOUSTIVIBE CDC drill bit (fig. 1).

The ACOUSTIVIBE CDC drill bit is already calibrated to have the correct dimension and length if the drilling is done until the drill bit shoulder reaches the perforated surface.

Then, place the ACOUSTIVIBE CDC in the cleaned hole and complete the installation by tapping the bottom of the pin with the installation tool (fig. 2) using a hammer or an impact drill while the installation tool is placed on the drill bit (fig. 3).

# ACOUSTIVIBE CDC and WDC

SOUNDPROOFING ANCHORS FOR SUSPENDED CEILING

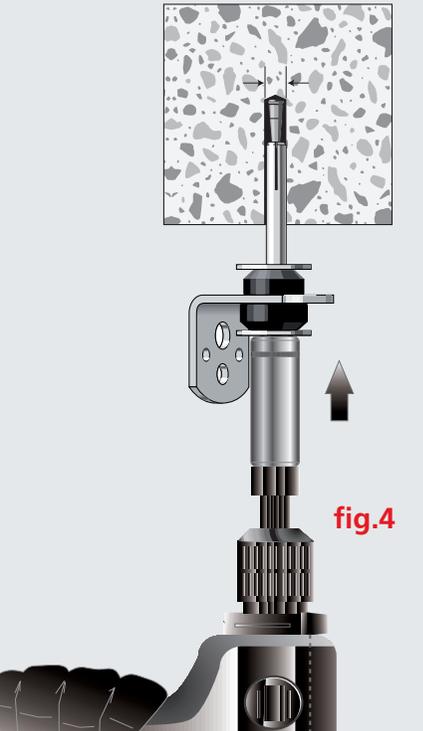


fig.4

## INSTALLATION METHOD (SUITE)

Ensure that the pin is sufficiently tapped in so that the punch enters inside the pin upper part in the concrete (fig. 4). The punch then opens the pin, fixing it in the concrete (fig. 5).

The ACOUSTIVIBE CDC can also be installed by removing the central pin, but not the upper steel washer, and by using a nail with an integrated steel plate that is installed with a powder-actuated tool. In such cases, it is not necessary to drill a hole using the ACOUSTIVIBE CDC drill bit, or to use the ACOUSTIVIBE CDC installation tool. However, ensure that the steel washer recovered from the pin is correctly placed on the nail between the rubber part and the concrete slab.

## ACOUSTIVIBE WDC

The ACOUSTIVIBE WDC is installed every 122 cm (48 in) in both directions. Screw the ACOUSTIVIBE WDC wood screw into the wood decking (fig. 6).

Attach the wires of the suspended ceiling to the ACOUSTIVIBE CDC or ACOUSTIVIBE WDC perforated pin. To level the ceiling, use the same method as a traditional suspended ceiling by adjusting the length of the wires.

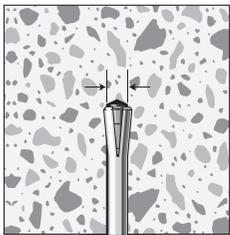


fig.5

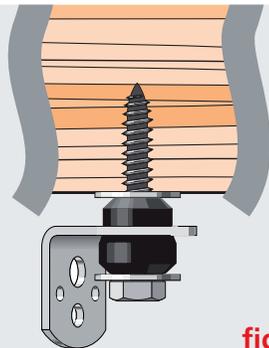


fig.6

## WARRANTY

RESISTOSOUND 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 RESISTOSOUND products found to be defective.

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