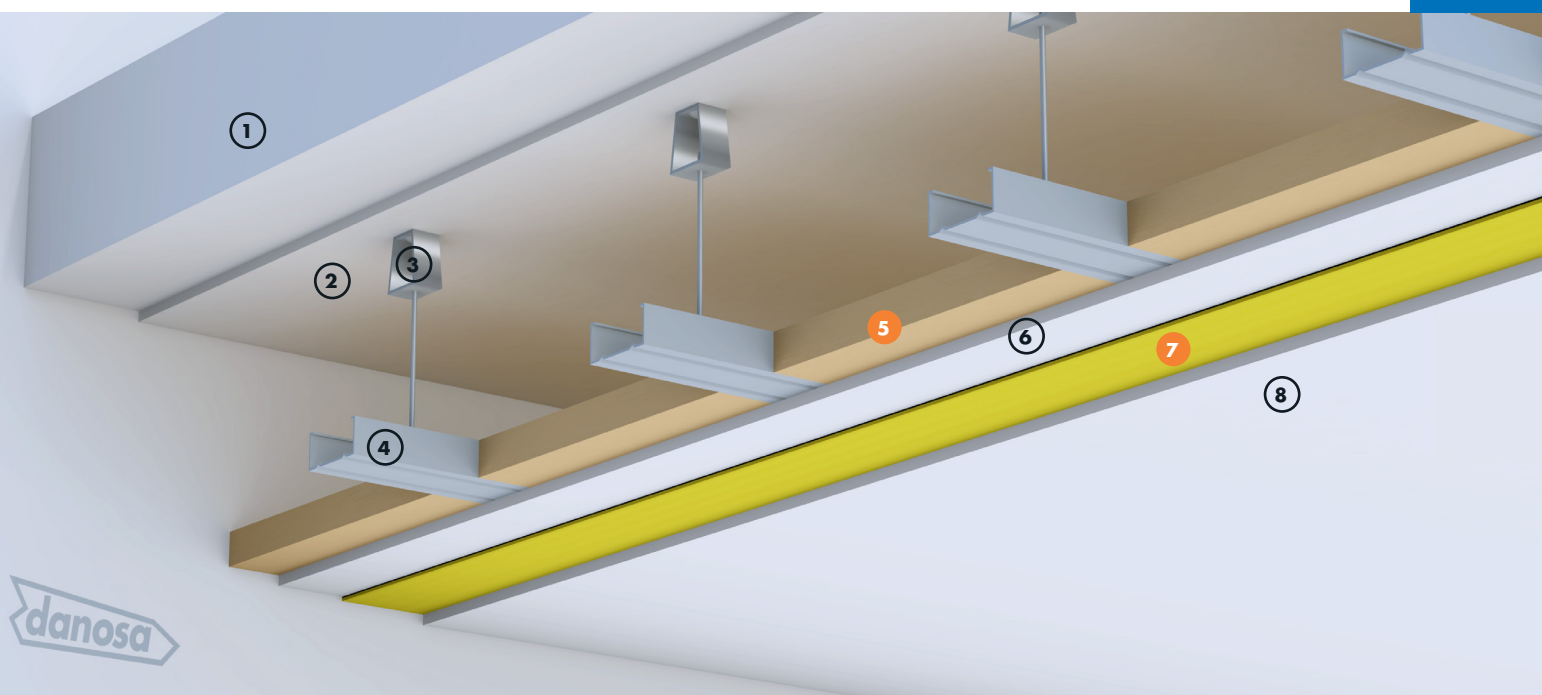


# CEILING ACOUSTIC HANGER SYSTEM FOR PREMISES WITH SOUND EMISSION BETWEEN 80-90 dBA AND DAYTIME

Acoustic insulation: Rock wool / Cross-linked polyethylene with acoustic membrane



TEF1



NOISE PROTECTION  
**ROCDAN®**

NOISE PROTECTION  
**FONODAN® 900 / M.A.D.®**

## ADVANTAGES

- Acoustic insulation achieved  $D_{nTA} > 60$  dBA.
- Plastering ensures the tightness of the system.
- Mass-spring-mass system with medium and high frequency absorbing.
- FONODAN® 900 or M.A.D.® 4 between boards shifts the resonance frequencies of the system towards less audible frequencies.
- Its thermal insulation capacity can be improved by increasing the thickness of the mineral wool.
- The cavity may be the minimum allowed by the premises.
- The rubber acoustic hanger prevents excitations of mid-low, medium and high frequencies.
- Light system better for structural strength and faster execution.

## APPLICATION AREAS

- Sound emission premises 80-90 dBA with daytime: coffee shops, restaurants, bars, nurseries.
- Theaters, auditoriums, music schools: central building and teaching classrooms.
- Commercial basses: supermarkets, printers, workshops and builders.
- Cinemas.
- Radio studios.

## LEGEND

Suspended ceiling:

- ① Slab
- ② Plastered
- ③ Rubber acoustic hanger
- ④ Plasterboard structure
- ⑤ ROC DAN® 231/40 acoustic insulation
- ⑥ 12.5 mm plasterboard
- ⑦ Acoustic insulation FONODAN® 900 or M.A.D.®
- ⑧ 12.5 mm plasterboard



# CEILING ACOUSTIC HANGER SYSTEM FOR PREMISES WITH SOUND EMISSION BETWEEN 80-90 dBA AND DAYTIME

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## TECHNICAL DETAILS

Function	Product	Description	Property	Value
Anti-resonant acoustic insulation and cushioning	<b>FONODAN® 900</b>	Cross-linked polyethylene foam and high-density membrane	$\Delta R_w$ between rigid elements	5 dB
Acoustic insulation absorbent at medium and high frequencies	<b>ROCDAN® 231/40</b>	Rock wool panel	$R_w$	40 - 61 dB

Note: This sheet is included in an acoustic box-in-box system.

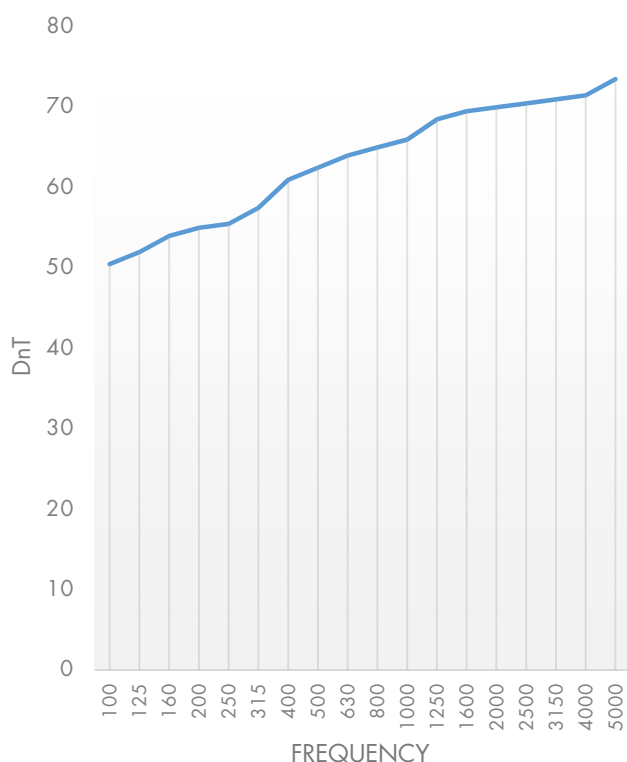
## APPLICATION METHOD

Ceiling acoustic hanger system for premises with sound emission between 80 and 90 dBA and daytime hours consisting of:

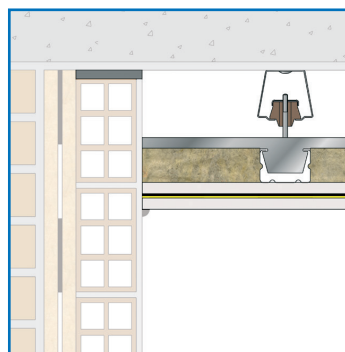
Plastering of the roof; Rubber acoustic hanger attached to the joist with a steel anchor plug and  $\varnothing 6$  rod; plasterboard structure of double profiles with mineral wool deposited on the structure of 70 kg / m<sup>3</sup> density and 40 mm thick,

ROCDAN® 231/40; placement of 12.5 mm plasterboard fixed to the structure by means screws; self-adhesive bilayer sheet, FONODAN® 900 or M.A.D.® 4; fixing to the structure of the second plasterboard of 12.5 mm thickness by means screws, fully sealed and installed, ready to install a decorative suspended ceiling.

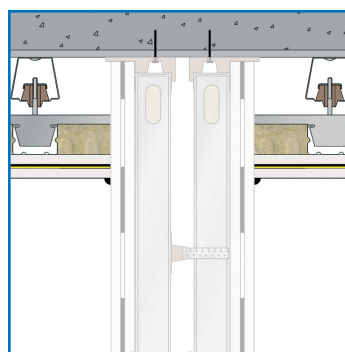
## GRAPH



## CONSTRUCTION DETAILS



Junction of wall with ceiling



Junction of ceiling with separating wall