

# ACOUSTIC TOP ABSORBERS

Ceiling and wall materials for noise reduction





## IDEAL SOLUTION FOR NOISE REDUCTION

Busy areas such as airports, hotel lobbies, and train or bus stations generate high levels of noise. Therefore, these crowded areas require acoustic materials with high sound absorption across the frequency range.

Sound reduction is therefore about turning down the volume, so to speak. By comparison, the rooms for speech and interaction require completely different acoustic materials with more nuanced absorption profile.

The goal for noise reduction is to maintain the architectural character of a busy room. And at the same time make it comfortable for the occupants and visitors.

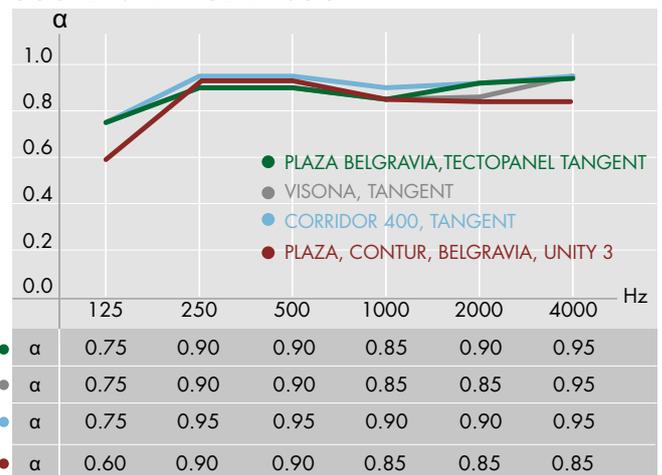
Knauf Danoline offers a complete range of acoustic top absorbers with alpha values up to 0.95.

Noise reduction is best achieved by placing the top absorbers strategically in the room. Often, this means using both ceiling and wall surfaces for acoustic treatment.

Therefore, Knauf Danoline's range of top absorbers covers various materials for application on ceilings and walls. This is made possible thanks to the robustness of the material, which can be easily cleaned and maintained even when installed on the walls.

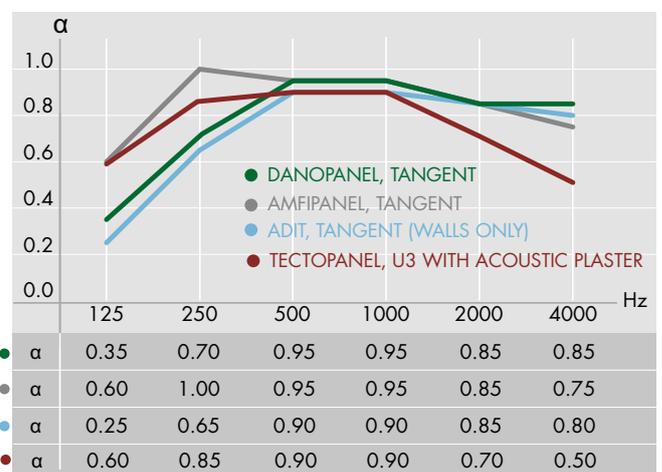
\* Mineral wool specifications: Weight of glass wool: 22kg/m<sup>3</sup>; 50 mm thickness  
 \*\* Tested according to ISO/EN 11654  
 \*\*\* Calculated according to ASTM C423

### SUSPENDED CEILING



- 200 mm suspension and 50 mm mineral wool'  $\alpha_w: 0.90^{**}$ , NRC: 0.90<sup>\*\*\*</sup>
- 200 mm suspension and 50 mm mineral wool'  $\alpha_w: 0.90^{**}$ , NRC: 0.90<sup>\*\*\*</sup>
- 200 mm suspension and 50 mm mineral wool'  $\alpha_w: 0.95^{**}$ , NRC: 0.95<sup>\*\*\*</sup>
- 200 mm suspension and 45 mm mineral wool'  $\alpha_w: 0.90^{**}$ , NRC: 0.90<sup>\*\*\*</sup>

### WALL & CEILING LININGS



- 65 mm suspension and 50 mm mineral wool'  $\alpha_w: 0.90^{**}$ , NRC: 0.85<sup>\*\*\*</sup>
- 135 mm suspension and 50 mm mineral wool'  $\alpha_w: 0.90^{**}$ , NRC: 0.95<sup>\*\*\*</sup>
- 55 mm suspension and 50 mm mineral wool'  $\alpha_w: 0.90^{**}$ , NRC: 0.85<sup>\*\*\*</sup>
- 200 mm suspension and 30 mm mineral wool'  $\alpha_w: 0.70^{**}$ , NRC: 0.85<sup>\*\*\*</sup>

# ENVIRONMENTALLY SOUND

## ACOUSTIC COMFORT

Acoustic comfort is about creating a pleasant environment that supports the purpose of the room and the activities, which the occupants expect to be able to perform in the room.

Therefore, acoustic treatment in e.g. a classroom is based on acoustic materials with good early decay which ensures speech intelligibility.

In an office on the other hand, the goal is to achieve privacy and interaction. Here the placement of the acoustic materials is of crucial importance.

Knauf Danoline's product range therefore includes a variety of absorption profiles to suit the different purposes.

## ACOUSTIC TOOLS

Knauf Danoline has an enviable record in room acoustics, built up over 50 years in collaboration with leading architects and acoustic consultants from all over the world.

We're keen to share our knowledge and expertise. So our website carries a number of online resources to help you find the right solution for your acoustic requirements.

Visit [knaufdanoline.com](http://knaufdanoline.com) and find the following tools:

- *Absorption Data* – Technical information to help you choose the right Knauf Danoline product based on alpha values.
- *Acoustic Guide* – Practical advice on using Knauf Danoline products in different situations.
- *Acoustic Warranty* – Your assurance in all Knauf Danoline products and services.

## HEALTHIER INDOOR ENVIRONMENT

Knauf Danoline absorbers don't just reduce noise levels, they create a healthier indoor environment, too.

Constructed from natural and recyclable materials, our absorbers are a sustainable and responsible choice. They can even be repainted time and time again without losing their sound absorbing properties and they have a built-in air cleaning function thanks to the unique Cleaeo technology. What makes Knauf Danoline absorbers unique:

- *Natural and recyclable materials*
- *No loss of performance even after repainting*
- *Best in class in indoor climate tests*

Contur Unity 3  $\alpha_w=0.95$



Adit Tangent,  $\alpha_w=0.90$



DID YOU KNOW THAT..

Knauf Danoline absorbers can be repainted over and over again without losing their acoustic properties.

Corridor 400 Tangent,  $\alpha_w=0.95$



Tectopanel Tangent,  $\alpha_w=0.90$



Contur Unity 3,  $\alpha_w=0.95$



Visona Tangent  $\alpha_w=0.90$

