



**ZR**

**ZIMMER+ROHDE**



**ACOUSTIC  
FABRICS**

Transparent acoustic fabrics

## **LIGHT FABRICS. SOFT TONES.**

The new Zimmer + Rohde acoustic fabrics deliver transparency in every possible way: For the first time in the Zimmer + Rohde collection, transparent fabrics also ensure that sounds are clear, transparent, and soft. The elegant, lightweight feel of this new product provides excellent acoustics and adds a whole new interior design dimension. Modern architecture is characterised by smooth surfaces, such as glass, concrete and metal, which have adverse effects on ambient sound. Transparent acoustic fabrics skilfully combat this issue as they actively regulate and lower noise volume by absorbing echoes. At the same time, they allow light through, ensure privacy and are therefore an attractive design element, both in homes and professional work spaces. Zimmer + Rohde's acoustic fabrics increase the sense of well-being, bestow tranquillity and combine function and aesthetics in perfect harmony.



Functional textiles

## A FOCAL POINT IN ANY ROOM.

Acoustic fabrics act like a room's sound absorber. They reduce undesirable echoes of individual sounds, thereby lowering noise levels and ensuring pleasant acoustics. Rather than reverberating throughout the room, sounds are converted into acoustic wave energy in the material and then finally into thermal energy. Thanks to the surface structure of the material and resulting increased material volume, opaque fabrics enable a higher rate of absorption. These transparent acoustic fabrics emulate this characteristic thanks to a specially developed high-tech thread – a true ray of hope to ensure perfect acoustics.

Zimmer + Rohde acoustic collection

## AN AUDIO-VISUAL EXPERIENCE.

- \_ Three transparent and five opaque fabrics for perfect room acoustics
- \_ Unpleasant echoes are absorbed at a rate of up to 80 %
- \_ The perfect balance for modern, echoey architecture made out of concrete, glass and metal
- \_ New design possibilities thanks to transparent qualities
- \_ Increases the sense of well-being and tranquillity
- \_ Offers privacy and functions perfectly as a partition
- \_ Flame retardant and therefore great for the home, as well as in offices, hotels and restaurants
- \_ Some products available with sun reflection function
- \_ All products have been tested and certified



Mute 10805 994



Silence 10809 812



Sonic 10810 990



Sana 10593 998



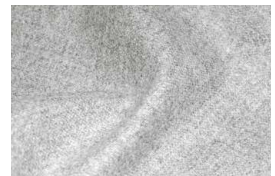
Solice 10416 543



Solice Stripe 10502 953



Solena 10501 993



Scott 10589 994

Testing

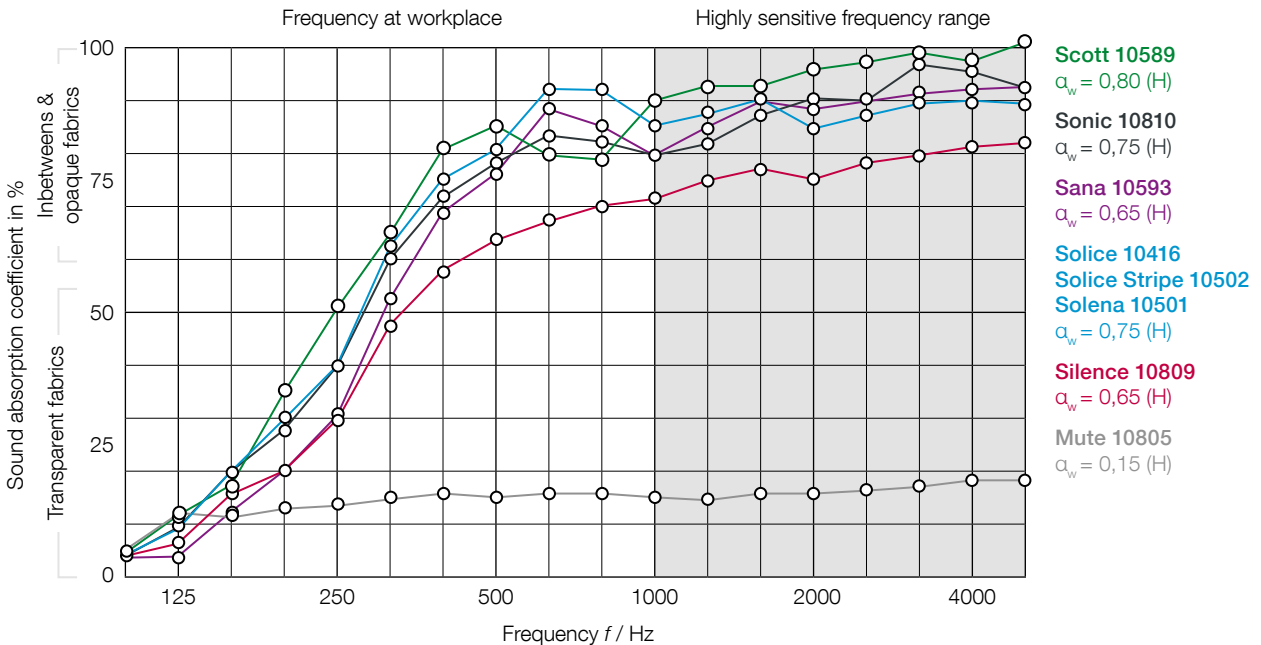
## PUT TO THE HERTZ AND DECIBEL TEST.

These certified acoustic fabrics have been put through their paces during an elaborate testing process. This includes sonic fabric testing under optimum conditions, testing of various frequencies (vibrations per minute) and frequency ranges (1/3 octave and octave) as well as echo chamber tests used to compare the acoustic function of the textiles. The rate of sonic absorption is depicted on a numerical scale from 0 to 1, 1 means 100 % absorption, 0.7 means 70 % absorption. The rate of sonic absorption is then divided into absorption classes from A to E, where A is the top class. Opaque fabrics are in the absorption classes from A to C, whereas transparent fabrics are from D to E. This evaluation and method of measurement is in line with an international norm, which is referred to as ISO 11654 and ASTM C423.

Performance

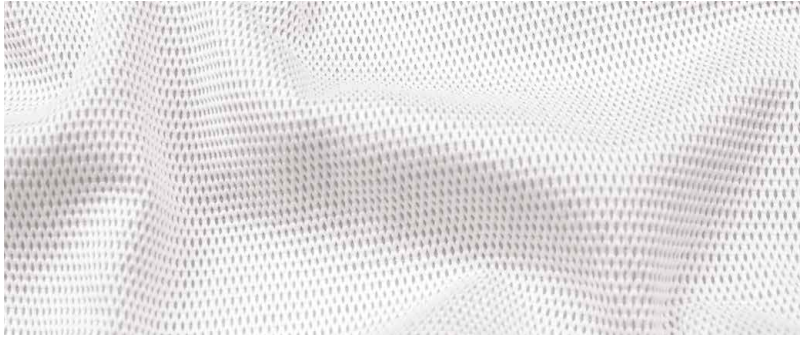
## BOTH AUDIBLY AND VISUALLY ASTOUNDING.

An overview of the Zimmer + Rohde product performance curve:



New acoustic products

## TRANSPARENT & INBETWEENS.

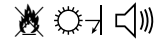


### Sonic | 10810

3 colours

94 % PES CS, 6 % PES

Width: 330 cm



$\alpha_w = 0,75$  (H)

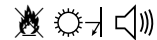


### Silence | 10809

7 colours

91 % PES CS, 9 % PES

Width: 330 cm



$\alpha_w = 0,65$  (H)



### Mute | 10805

10 colours

100 % PES CS

Width: 300 cm



$\alpha_w = 0,15$  (H)



the clash

with the lullaby  
and the lullaby  
and the lullaby



MOFZ00M