



# WALL SOUNDPROOFING

FRAME CLADDING USING VERSALITE VIBROINSULATING HANG

## ULTRAKUSTIK CONNECT

MAX LOAD WITHOUT INSERTS 35 kg/r.m. CONSTRUCTION THICKNESS 90 mm MAX ALLOWABLE HEIGHT 8 m



### When applied?

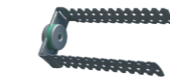
- When you need a smooth wall with maximum rigidity, while big noise from conversations, TV, a roding dog or crying children interferes.
- Mounted on a soundproofing floor and suspended soundproofing ceiling.

### Ultrakustik Connect versalite vibroinsulation hang

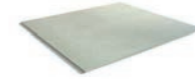
- Sylodyn® vibration insulating element
- Anodized
- "Grower effect"
- Service life over 30 years
- Carrying capacity 25 kg
- Works well across the entire frequency range (domestic noise)

$\Delta R_w \approx 24$  dB  
additional airborne noise insulation

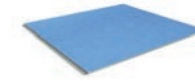
$R_w \approx 75$  dB  
airborne noise insulation index for the entire construction when mounted on a 120 mm thick sand-lime brick wall



1 ULTRAKUSTIK CONNECT, versalite vibroinsulation hang  
average consumption per 1 m<sup>2</sup> = 2.2 pcs.



2 ZIPS-dB, GFB  
sheet 1200x1200x16.5 mm  
average consumption per 1 m<sup>2</sup> = 0.7 pcs.



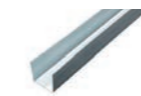
3 Gypsum plasterboard,  
sheet 2000 x 1200 x 12,5 mm  
average consumption per 1 m<sup>2</sup> = 0.42 pcs.



4 Ultrakustik GW-Neo,  
glass-fiber slab  
plate 1200x600x50 mm  
average consumption per 1 m<sup>2</sup> = 0.34 pack.



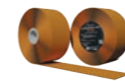
5 Ceiling channel PP 60/27  
length 3 r.m.  
average consumption per 1 m<sup>2</sup> = 0.67 pcs.



6 Ceiling U channel PPN 28/27  
length 3 r.m.  
average consumption per 1 m<sup>2</sup> = 0.24 pcs.



7 Ultrakustik VS,  
silicone neutral sealant 290 ml cartridge  
average consumption per 1 m<sup>2</sup> = 0.4 pcs.



8 Ultrakustik TAPE M100,  
vibration damping spacer  
roll 30m, width 100mm  
thickness 4 mm (3 m<sup>2</sup>)  
average consumption per 1 m<sup>2</sup> = 0.73 pcs.



Approximate cost of the construction, based on m<sup>2</sup>

€/m<sup>2</sup>

### INSTALLATION MANUAL

PP 60/27 metal profiles are fixed to the insulated wall with the help of special Ultrakustik Connect vibration insulating hangs. Vibration insulating hangs are installed with a pitch of not more than every 1.5 running meters of the stud, but not less than 3 pieces with a profile length of up to 3 meters.

Mount the hangs at a distance of no more than 150 mm from the edge of the profile. PPN 28/27 metal profiles are fixed to the enclosing structures of the floor, ceiling and side walls through two layers of Ultrakustik TAPE M100 vibration damping spacer.

ZIPS-dB and gypsum plasterboardsheet cladding materials are installed to the frame with a stagger between joints. Upon completion of soundproofing frame cladding installation, the excess of protruding Ultrakustik TAPE M100 tape is cut off and the resulting joint is filled with Ultrakustik VS.



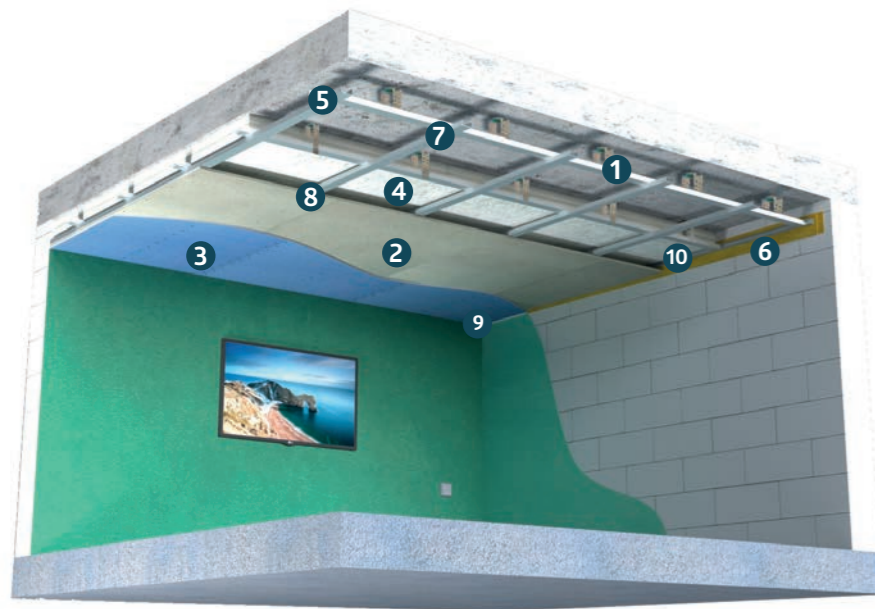
# SOUNDPROOFING OF THE CEILINGS

FRAME SOUNDPROOFING CEILING ON HANGS

## ULTRAKUSTIK CONNECT

MAX LOAD WITHOUT INSERTS 6 kg/m<sup>2</sup>

CONSTRUCTION THICKNESS 130 mm



### When applied?

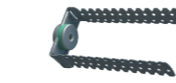
- When you need high efficiency with limited height.
- If children stomp from above, objects fall, loud music, noise from conversations, TV or a barking dog.

### ULTRAKUSTIK CONNECT universal ceiling hang

- Service life over 30 years
- Carrying capacity 15 kg
- Passed acoustic tests

$\Delta R_w \approx 21$  dB  
additional airborne noise insulation

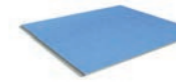
$R_w \approx 75$  dB  
airborne noise insulation index of the entire structure



1 Ultrakustik Connect, ceiling hanger  
average consumption per 1 m<sup>2</sup> = 2.8 pcs.



2 ZIPS-dB, acoustic GFB triplex sheet 1200x1200x16.5 mm  
average consumption per 1 m<sup>2</sup> = 0.7 pcs.



3 Gypsum plasterboard sheet 2000 x 1200 x 12,5 mm  
average consumption per 1 m<sup>2</sup> = 0.42 pcs.



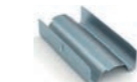
4 Ultrakustik GW-Neo acoustic glasswool-fiber board plate 1200x600x50 mm  
average consumption per 1 m<sup>2</sup> = 0.67 pack.



5 Ceiling channel PP 60/27 length 3 r.m.  
average consumption per 1 m<sup>2</sup> = 1.3 pcs.



6 Ceiling U channel PPN 28/27 length 3 r.m.  
average consumption per 1 m<sup>2</sup> = 0.33 pcs.



7 Extension PP 27x60  
average consumption per 1 m<sup>2</sup> = 1,1 pcs.



8 Connector PP 27x60, two-level  
average consumption per 1 m<sup>2</sup> = 5 pcs.



9 Ultrakustik VS, silicone neutral sealant 290 ml cartridge  
average consumption per 1 m<sup>2</sup> = 0.4 pcs.

Approximate cost of the construction, based on m<sup>2</sup>

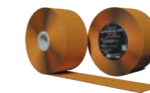
€/m<sup>2</sup>

### INSTALLATION MANUAL

The frame is fixed to the ceiling with the help of Ultrakustik Connect vibration insulating hangs. Rigid structural elements must adhere to all walls through an elastic spacer made of Ultrakustik-Tape M100 material in two layers. The sound-absorbing slab Ultrakustik GW-Neo is laid in the inner space of the frame in two layers.

After sound-absorbing slabs laying the frame is sheathed in one layer with ZIPS-dB acoustic GFB triplex, and Gyproc AKU-line finish plasterboard sheets are directly attached to them.

ZIPS-dB and gypsum plasterboard sheet facing materials are fixed with a spacing between joints. Upon completion of installation soundproofing framed cladding, the excess of protruding Ultrakustik TAPE is cut off and the resulting joint is filled with Ultrakustik VS.



10 Ultrakustik TAPE M100, vibration damping spacer roll 30m, width 100mm thickness 4 mm (3 m<sup>2</sup>)  
average consumption per 1 m<sup>2</sup> = 0.73 pcs.



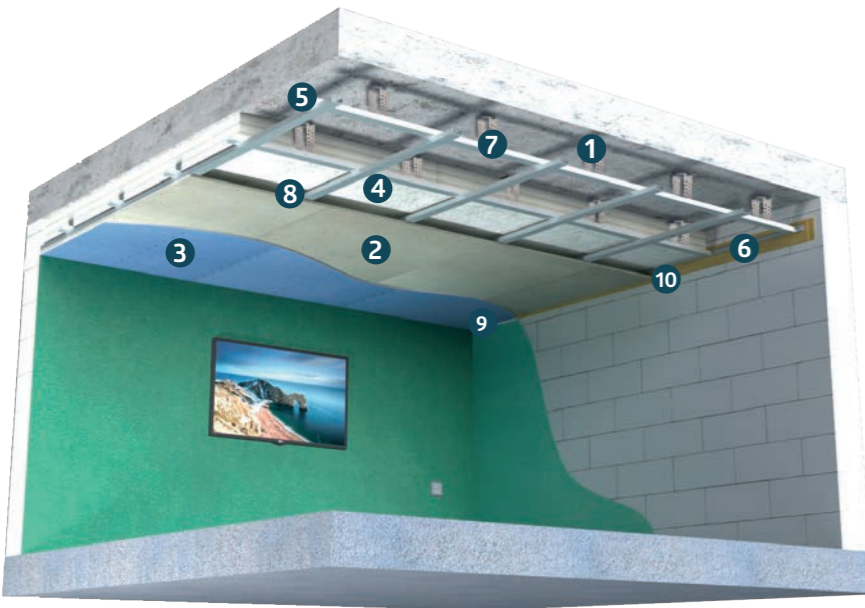
# SOUNDPROOFING OF THE CEILINGS

FRAME SOUNDPROOFING CEILING ON HANGS

## ULTRAKUSTIK CONNECT (2 LAYERS)

MAX LOAD WITHOUT INSERTS 6 kg/m<sup>2</sup>

CONSTRUCTION THICKNESS 200 mm



### When applied?

- When you need maximum effect.
- If there are stomping children, falling objects, loud music, vibration or noise from conversations, TV or a barking dog from above.

### ULTRAKUSTIK CONNECT universal ceiling hang

- Service life over 30 years
- Carrying capacity 15 kg
- Passed acoustic tests

$\Delta R_w \approx 21$  dB  
additional airborne noise insulation

$R_w \approx 75$  dB  
airborne noise insulation index of the entire structure

- Ultrakustik Connect, ceiling hanger  
average consumption per 1 m<sup>2</sup> = 2.8 pcs.
- ZIPPS-dB, acoustic GFB triplex sheet 1200x1200x16.5 mm  
average consumption per 1 m<sup>2</sup> = 0.7 pcs.
- Gypsum plasterboard sheet 2000 x 1200 x 12,5 mm  
average consumption per 1 m<sup>2</sup> = 0.34 pcs.
- Ultrakustik GW-Neo acoustic glasswool-fiber board slab 1200x600x50 mm  
average consumption per 1 m<sup>2</sup> = 1 pack.
- Ceiling channel PP 60/27 length 3 r.m.  
average consumption per 1 m<sup>2</sup> = 1.4 pcs.
- Ceiling U channel PPN 28/27 length 3 r.m.  
average consumption per 1 m<sup>2</sup> = 0.24 pcs.
- Extension PP 27x60  
average consumption per 1 m<sup>2</sup> = 1 pcs.
- Connector PP 27x60, two-level  
average consumption per 1 m<sup>2</sup> = 3.1 pcs.
- Ultrakustik VS, silicone neutral sealant 290 ml cartridge  
average consumption per 1 m<sup>2</sup> = 0.4 pcs.

Approximate cost of the construction, based on m<sup>2</sup>

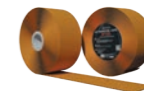
€/m<sup>2</sup>

### INSTALLATION MANUAL

The frame is fixed to the ceiling with the help of Ultrakustik Connector vibration insulating hangs. Rigid structural elements must adhere to all walls through an elastic spacer made of Ultrakustik TAPE M100 material in two layers. The sound-absorbing slab Ultrakustik GW-Neo is laid in the inner space of the frame in two layers.

After sound-absorbing slabs laying the frame is sheathed in one layer with ZIPPS-dB acoustic GFB triplex, and finish gypsum plasterboard plasterboard sheets are directly attached to them.

ZIPPS-dB and Gyproc Aku-line sheet facing materials are fixed with a stagger between joints. Upon completion of installation soundproofing framed cladding, the excess of protruding Ultrakustik-Tape is cut off and the resulting joint is filled with Ultrakustik-Sealant.



- Ultrakustik TAPE M100, vibration damping spacer roll 30m, width 100mm thickness 4 mm (3 m<sup>2</sup>)  
average consumption per 1 m<sup>2</sup> = 0.73 pcs.