



# WALL SOUNDPROOFING

FRAME CLADDING USING VERSALITE VIBROINSULATING HANG

## ULTRAKUSTIK

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



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

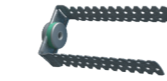
$R_w \approx 75$  dB airborne noise insulation index for the entire construction when mounted on a 120 mm thick sand-lime brick wall

### When applied?

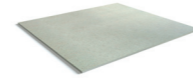
- When you need a smooth wall with maximum rigidity, while big noise from conversations, TV, a roding dog or crying children interferes.
- Mounted on a soundproofing floor and suspended soundproofing ceiling.

### ULTRAKUSTIK versalite vibroinsulation hang

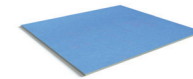
- Sylodyn® vibration insulating element
- Anodized
- "Grower effect"
- Service life over 30 years
- Carrying capacity 25 kg
- Works well across the entire frequency range (domestic noise)



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



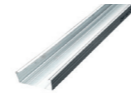
2 Soundline-dB, GFB sheet 1200x1200x16.5 mm  
average consumption per 1 m<sup>2</sup> = 0.7 pcs.



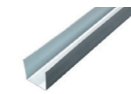
3 AKU-Line plasterboard, sheet 2000 x 1200 x 12,5 mm  
average consumption per 1 m<sup>2</sup> = 0.42 pcs.



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



5 Gyproc-Standard Profile PP 60/27 length 3 r.m.  
average consumption per 1 m<sup>2</sup> = 0.84 pcs.



6 Gyproc-Standard Profile PPN 28/27 length 3 r.m.  
average consumption per 1 m<sup>2</sup> = 0.33 pcs.



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



8 Vibrostack-M 100 Tape, 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 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 Vibrostack-M 100 Tape vibration damping spacer.

Soundline-dB and AKU-Line plasterboardsheet cladding materials are installed to the frame with a stagger between joints. Upon completion of soundproofing frame cladding installation, the excess of protruding Vibrostack-M 100 Tape tape is cut off and the resulting joint is filled with Vibroseal.



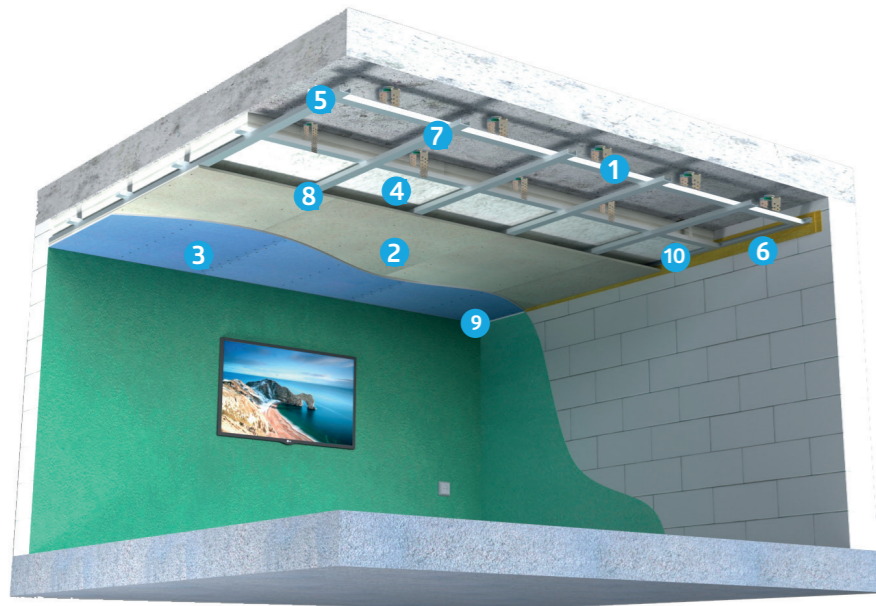
# SOUNDPROOFING OF THE CEILINGS

FRAME SOUNDPROOFING CEILING ON HANGS

## ULTRAKUSTIK

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 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



## INSTALLATION MANUAL

The frame is fixed to the ceiling with the help of ULTRAKUSTIK vibration insulating hangs. Rigid structural elements must adhere to all walls through an elastic spacer made of Vibrostack-M 100 Tape M100 material in two layers. The sound-absorbing slab Shumanet-ECO 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 Soundline-dB acoustic GFB triplex, and Gyproc AKU-line finish plasterboard sheets are directly attached to them.

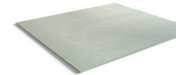
Soundline-dB and AKU-Line plasterboard sheet facing materials are fixed with a spacing between joints. Upon completion of installation soundproofing framed cladding, the excess of protruding Vibrostak-M 100 Tape is cut off and the resulting joint is filled with Vibroseal.



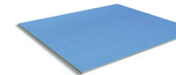
- 10 Vibrostack-M 100 Tape, vibration damping spacer roll 30m, width 100mm thickness 4 mm (3 m<sup>2</sup>) average consumption per 1 m<sup>2</sup> = 0.73 pcs.



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



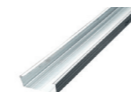
- 2 Soundline-dB, acoustic GFB triplex sheet 1200x1200x16.5 mm average consumption per 1 m<sup>2</sup> = 0.7 pcs.



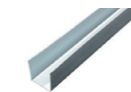
- 3 AKU-Line plasterboard sheet 2000 x 1200 x 12,5 mm average consumption per 1 m<sup>2</sup> = 0.42 pcs.



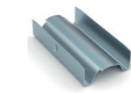
- 4 Shumanet-ECO acoustic glasswool-fiber board plate 1200x600x50 mm average consumption per 1 m<sup>2</sup> = 0.67 pack.



- 5 Gyproc-Standard Profile PP 60/27 length 3 r.m. average consumption per 1 m<sup>2</sup> = 1.3 pcs.



- 6 Gyproc-Standard Profile 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 Vibroseal, 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>



# SOUNDPROOFING OF THE CEILINGS

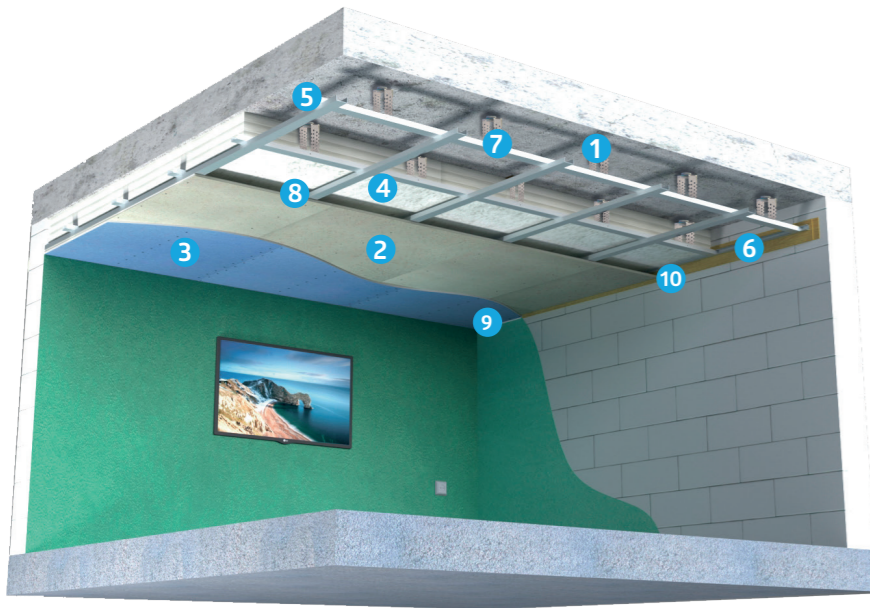
FRAME SOUNDPROOFING CEILING ON HANGS



## ULTRAKUSTIK (2 LAYERS)

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

CONSTRUCTION THICKNESS 200 mm



### When applied?

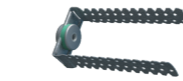
- When you need maximum effect.
- If there are stomping children, falling objects, loud music, vibration or noise from conversations, TV or a barking dog from above.

### ULTRAKUSTIK universal ceiling hang

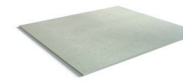
- Service life over 30 years
- Carrying capacity 15 kg
- Passed acoustic tests

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

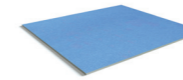
$R_w \approx 75$  dB  
airborne noise insulation index of the entire structure



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



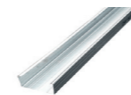
2 Soundline-dB, acoustic GFB triplex sheet 1200x1200x16.5 mm  
average consumption per 1 m<sup>2</sup> = 0.7 pcs.



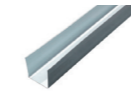
3 AKU-Line plasterboard sheet 2000 x 1200 x 12,5 mm  
average consumption per 1 m<sup>2</sup> = 0.34 pcs.



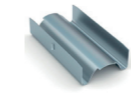
4 Shumanet-ECO acoustic glasswool-fiber board slab 1200x600x50 mm  
average consumption per 1 m<sup>2</sup> = 1 pack.



5 Gyproc-Standard Profile PP 60/27 length 3 r.m.  
average consumption per 1 m<sup>2</sup> = 1.4 pcs.



6 Gyproc-Standard Profile PPN 28/27 length 3 r.m.  
average consumption per 1 m<sup>2</sup> = 0.24 pcs.



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



8 Connector PP 27x60, two-level  
average consumption per 1 m<sup>2</sup> = 3.1 pcs.



9 Vibroseal, 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 or vibration insulating hangs. Rigid structural elements must adhere to all walls through an elastic spacer made of Vibrostack-M 100 Tape material in two layers. The sound-absorbing slab Shumanet-ECO 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 Soundline-dB acoustic GFB triplex, and finish AKU-Line plasterboard plasterboard sheets are directly attached to them.

Soundline-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 Vibrostack-M 100 Tape is cut off and the resulting joint is filled with Vibroseal.



10 Vibrostack-M 100 Tape, 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.