

TVS Cleansound are speciality ceilings for offices and public spaces that require high levels of acoustic absorption, whilst offering high resistance and an unalterable white colour. It's combination of perforation and acoustic fleece provide great reverberation control.

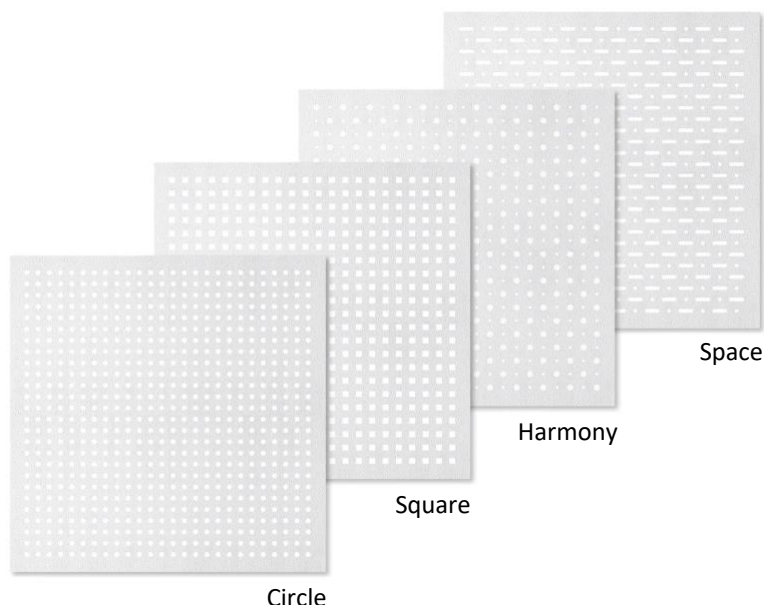
It offers high acoustic performance, fire resistance and humidity resistance whilst having a minimal impact on the environment. Its aesthetic features are appreciated by architects and designers looking for a different appearance.

Technical Data

Edge:	Square or Tegralar
Dimensions:	295 x 1195mm 595 x 595mm 595 x 1195mm
Thickness:	8.00; 9.50; 12.50mm (+/- 0.5mm)
Average Weight:	5.80; 6.55; 9.10kg/m ²
Units/Box:	8 tiles = 2.88m ²
Thermal Conductivity:	0.25 W/m K (Norma UNE-EN 12524)
Fire Reaction:	A2 s1 d0 (Certification Nº EEA-1800-0071)
Fire Resistance (max.):	30 minutes
Coating Film:	Polyvinyl chloride – colour white – 80g/m ²
Intended Use:	Suspended ceilings in meeting rooms, public spaces, corridors, offices, theatres, sound studios, where high reverberation control is required.

Advantages

- High acoustic performance
- Easy to clean
- High light reflectance
- Moisture resistance
- Recyclable
- Durability and resistance
- High fire resistance



UNE-EN ISO 354:2003

$a_w = 0.75^*$

**Corresponds to Circle & Square*

Acoustic Test Information

According to UNE-EN ISO 354:2003

The UNE-EN ISO 354: 2003 Standard that specifies the method to measure the acoustic absorption coefficient, was used to measure the absorption levels of TVS Cleansound ceilings

Test board thickness	12.5mm
Approximate density	730Kg/m ³
Plasterboard classification	NON-COMBUSTIBLE (A2 s1 d0)
Perforated surface	16.6%

Acoustic test diagrams on the next page.

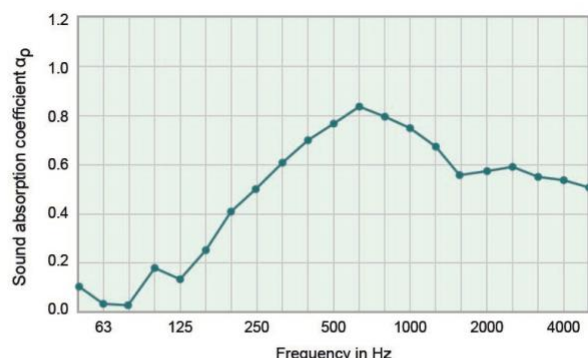
TVS Cleansound Plates can also be made without PVC coating, painted with a water-based coating.

TVS Cleansound

TECHNICAL INFORMATION



CEILING PLENUM 100mm



Back of tile laminated with **Acoustic fleece AV 2010**

Sound Absorption $\alpha_w = 0.65$

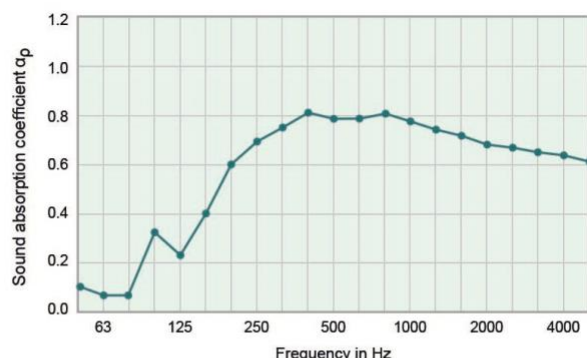
Sound Absorption Classification **C**

Single number rating ASTM C 423: SAA = 0.65

Classification ASTM E 1264: NRC = 0.65

Ceiling Plenum: 100mm

Frequency in Hz	125	250	500	1000	2000	4000
Sound absorption coefficient α_p	0.20	0.50	0.75	0.80	0.60	0.55



Back of tile laminated with **Acoustic fleece AV 2010 + Glass wool sound protection board SSP 1.30mm**

Sound Absorption $\alpha_w = 0.75$

Sound Absorption Classification **C**

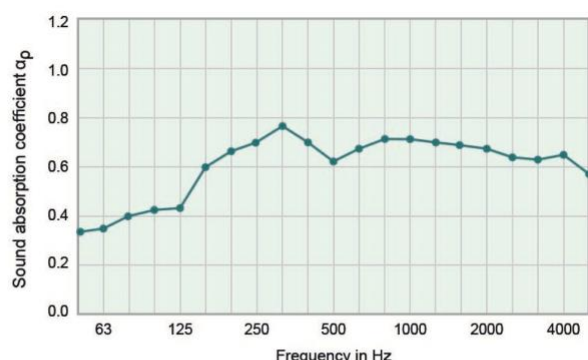
Single number rating ASTM C 423: SAA = 0.73

Classification ASTM E 1264: NRC = 0.75

Ceiling Plenum: 100mm

Frequency in Hz	125	250	500	1000	2000	4000
Sound absorption coefficient α_p	0.30	0.65	0.80	0.75	0.70	0.65

CEILING PLENUM 400mm



Back of tile laminated with **Acoustic fleece AV 2010**

Sound Absorption $\alpha_w = 0.70$

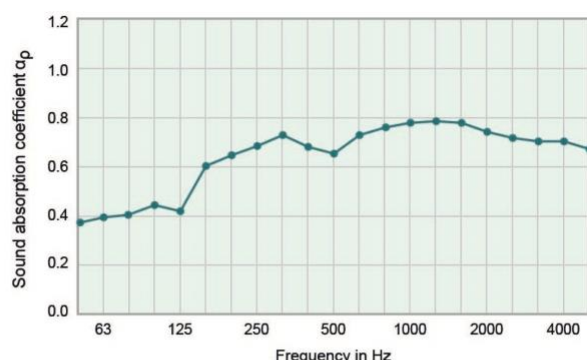
Sound Absorption Classification **C**

Single number rating ASTM C 423: SAA = 0.65

Classification ASTM E 1264: NRC = 0.65

Ceiling Plenum: 400mm

Frequency in Hz	125	250	500	1000	2000	4000
Sound absorption coefficient α_p	0.50	0.70	0.65	0.70	0.65	0.60



Back of tile laminated with **Acoustic fleece AV 2010 + Glass wool sound protection board SSP 1.30mm**

Sound Absorption $\alpha_w = 0.75$

Sound Absorption Classification **C**

Single number rating ASTM C 423: SAA = 0.70

Classification ASTM E 1264: NRC = 0.70

Ceiling Plenum: 400mm

Frequency in Hz	125	250	500	1000	2000	4000
Sound absorption coefficient α_p	0.50	0.65	0.70	0.80	0.75	0.70



NBS Source
PARTNER

Product: TVS CLEANSOUND

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