

- 100% stone wool tiles
- Class A Absorption Class (0.90 NRC)
- High-quality glass fibre fleece on both sides
- SQ edge to lay-on to T15 or T24 grids
- Cost-effective ceiling solution
- Easy access to ceiling void



Colours: White, Black

Edges: A, SQ

Grids: T15-T24

Size (W x L) 600 x 600mm

Thickness 15mm

Panels/pack 16

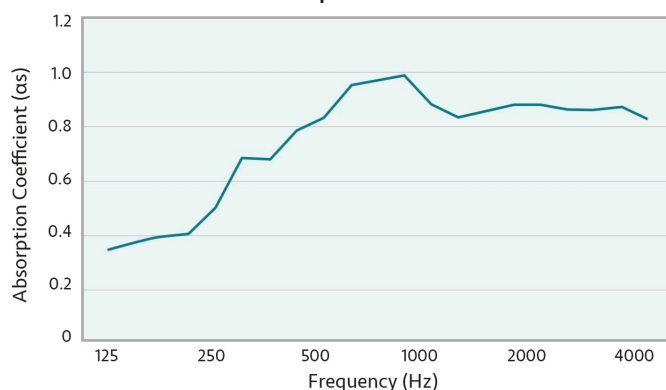
m²/pack 5.76m²

Packs/pallet 18

Service class A



Sound Absorption $\alpha_w = 0.93$ Class A



Frequency (Hz)	T ₁ (s)	T ₂ (s)	Coefficient abs. α _s	Index α _p
50	11.15	7.50	0.35	0.38
63	10.35	6.75	0.38	
85	10.13	6.00	0.40	
100	9.77	5.05	0.41	0.54
125	8.00	3.55	0.51	
160	8.35	3.00	0.70	
200	9.20	3.00	0.69	0.79
250	9.15	2.80	0.80	
315	8.05	2.50	0.85	
400	6.55	2.20	0.97	0.99
500	6.75	2.21	0.99	
630	7.05	2.25	1.01	
800	6.56	2.25	0.90	0.88
1000	6.44	2.33	0.85	
1250	5.85	2.22	0.88	
1600	5.45	2.22	0.90	0.90
2000	5.15	2.15	0.90	
2500	4.65	2.05	0.88	
3150	4.15	1.90	0.88	0.87
4000	3.45	1.60	0.89	
5000	3.05	1.55	0.84	

Serial number: 5674/24. Sample area: 10.8m² depth 200 mm

Temperature: 23.9°C. Pressure: 1019.1 hpa. Relative humidity: 50.3%

T₁: reverberation time of the empty reverberation room

T₂: reverberation time of the reverberation room after introduction of the test sample

Weighted sound absorption index α_w : 0.93

Fire Reaction

- Reaction to fire describes if a building material contributes to a fire or not.
- Our ceiling tiles are rated as A1 and A2-s1d0.
- The difference between A1 and A2-s1d0 is that our A1 ceiling tiles release their extremely low exothermal value more gradually.
- TVS Soft is rated Euroclass:A1 according to EN 13501-1

Acoustics

- Stone-wool products have excellent sound-absorption properties by nature.
- Pleasing smooth surfaces without visible perforations or holes.
- Very effective sound absorption in all frequency ranges also the speaking frequency which is improving the speech intelligibility.
- The sound absorption coefficients and values declared are tested by the accredited laboratories.
- TVS Soft has α_w : 0.93 sound absorption (Class A) calculated in accordance with ISO 11654.

Light Reflection

- White surfaces of our ceiling tiles generally reflect light at a rate of 85%.
- Additionally, TVS Soft tiles offer complete light diffusion to prevent eye-straining dazzling spots and have a uniform surface devoid of any noticeable perforations.

Humidity

- Certain ceiling tiles may become structurally weaker due to humidity, at which point they may begin to deform under their own weight.
- Humidity levels alter as a result of temperature variations.
- Relative humidity, which measures the amount of water vapour in air, is given as a percentage (RH). The vapours will condense when the RH hits 100%.
- Even at humidity levels as high as 100% RH, TVS Soft tiles maintain their dimensions. The ceiling can be installed at any temperature between 0°C and 40°C since TVS Soft ceiling tiles are unaffected by indoor humidity.
- Even in the most severe weather conditions, our goods can survive and yet maintain their dimensional stability. Our ceiling tiles have a long-life expectancy for that use.
- TVS Soft tiles provide a 15-year product guarantee.

Cleaning & Maintenance

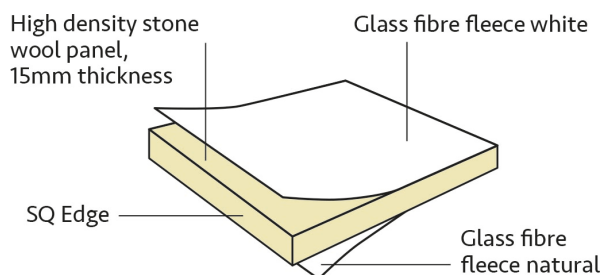
- The timely completion of the project is one of the most significant key performance metrics for contractors.
- TVS ceilings can help achieve this goal since they can be placed even when the façade of the building is not closed or the HVAC system is not yet on.
- This means that the installation of the ceiling will not necessarily be delayed by delays from other disciplines.
- Our ceilings will perform substantially better than any other tiles when stored in a variety of humidity and environmental conditions, even if we do not advise keeping the tiles outside.
- Tiles can be installed on T15/T24 grids. T24 system is comprised of white, smooth-surfaced, with a flange of 24mm galvanized steel.
- A sharp knife makes it simple to cut tiles at walls and service penetrations. Visible cut edges can be painted with the proper edge paint to preserve the appearance of a cut edge.

Thermal Insulation

- Thermal insulation is a pertinent concern if a suspended ceiling or wall absorber is utilized underneath a roof or an exterior wall.
- This is true when shopping complexes construct over parking garages, in flat-roof structures, or in older structures with cold cellars.
- Thermal insulation critical in spaces with a large plenum above a suspended ceiling.
- Stone wool, the primary component of TVS Soft tiles, has an innately high level of thermal insulation with lambda values as low as 35mW/mK.

Environment

- TVS Soft stone wool ceiling tiles are made of 80-97% stone-wool, less than 1% adhesive,
- Water-based paint and fleece.
- We have a very low waste ratio in the factory and we will continue to reduce waste from our processes in the future.
- Our ceilings can be produced with stone-wool consisting of 100% recycled materials.
- Every year we publish an environmental report. Please contact us for our Environmental Product Declaration.
- TVS Soft is certified to ISO 14001: Environmental Management Systems.



Product: TVS SOFT
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