

Mikro Matvin

VINYL WALLS & CEILINGS
www.anutone.com/matvin.htm



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Key Attributes

Matvin is a 4-in-1 wall and ceiling solution that brings to the interior surfaces:

- Superb aesthetics of vinyl laminates on T-systems for ceilings and on JEHI Splines for walls.
 - Compliance to requirements of high-humidity and cleanroom applications
 - Very high light reflectance for energy savings
 - Sound absorption and noise isolation as required
- All in all, at an astonishing value proposition.

Applications

Matvin can make a host of walls and ceilings look and perform differently. It is most suitable for spaces of cleanroom environments such as

- Pharmaceutical
- Food processing
- Biotechnology
- Research laboratories

Aesthetics

The beautiful laminate finish of Matvin with self-embossed designs imposes a uniquely pleasing appeal while the brilliant white contributes to high light reflectance. Together, the finish and the look of the surface complements the aesthetics of spaces as never before.

Eco-friendly

Matvin is an eco-friendly ceiling tile with 15 LEED points under the AnutoneSustain initiative by Anutone®.

What is more, it conforms to clauses of ISO 8335 / ASTM C367 that makes it all the more reliable.

Site Considerations

Tiles can be lightly wet-wiped post-installation, and regularly thereafter ensuring easy maintenance. Acoustical overlays like Synth PF can be placed on the ceiling tiles or as a backing for wall panels without any loading considerations.

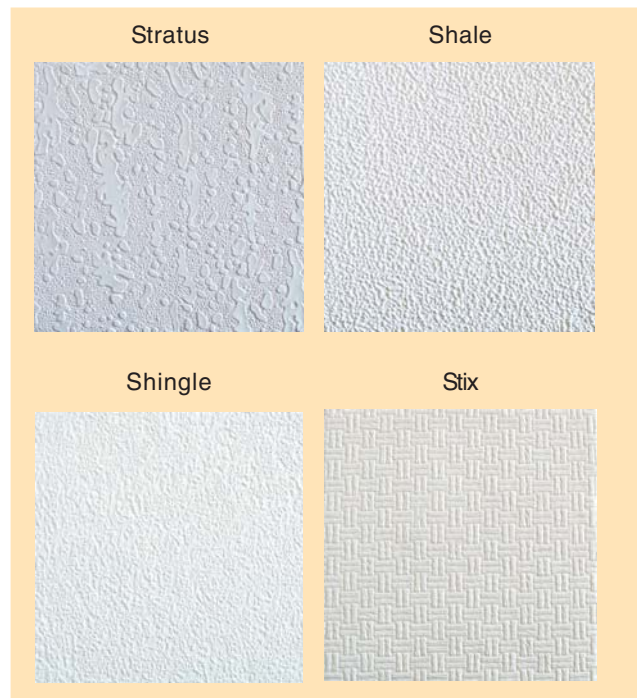
Framework

Skelet White for ceilings and Strut with Spline for walls

Technical Variants

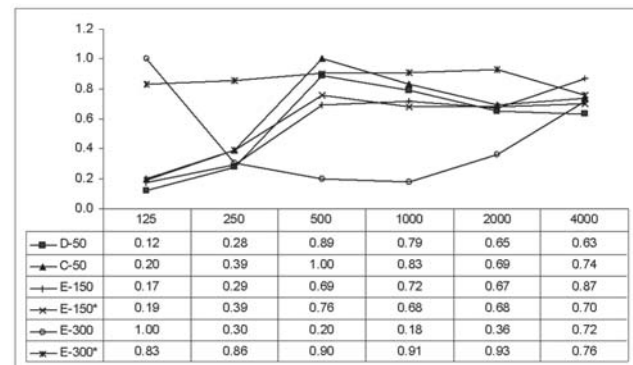
Base tile is available as Natural, Burl, Septum, Septum Burl for AcoustCombi that results in variable sound absorption.

Visual Variants



Acoustical Parameters

Sound Absorption Coefficient as per ISO 354



For base tile. *With an overlay of 24dx50mm Synth QZ

Features

- Volume Density 600 kgs/m³
- Nominal Size 595x1195mm for walls;
595x595mm for ceilings
- Thickness 15mm for ceilings, 20mm for walls
- Surface density 10 kgs/m² for 15 mm
- Edge Profile Square, Steppe for ceilings
Square - long edges kerfed for walls

Accessibility

The Skelet framework and Matvin tiles makes the system modular and dismantable for plenum access to services in the ceiling void. For walls, Spline for kerfed sides means no fasteners driven through surface.

Logistics

TILE	15mm	20mm	For tile size of
Carton size	600x600x165mm		595x595
Pieces	10 nos.	8 nos.	m m
Weight	40 kg	40 kg	
Minimum order	10 cartons		

Tech Performance

For 15mm Mat

- Sound Absorption NRC 0.9 for E300*
- Noise Isolation STC 20
- Thermal Conductivity 0.09 W/mk
- Fire Class 'I' & 'p'
- RH Resistance 95%
- Sag Resistance Yes
- Light Reflectance 0.85 for all visual variants

Environmental Impact

The base tile is eco-friendly and wins 15 LEED points, a AnutoneSustain initiative by Anutone®.

Economics

Matvin 15mm on Skelet T is economical considering the system life cycle.

Warranty

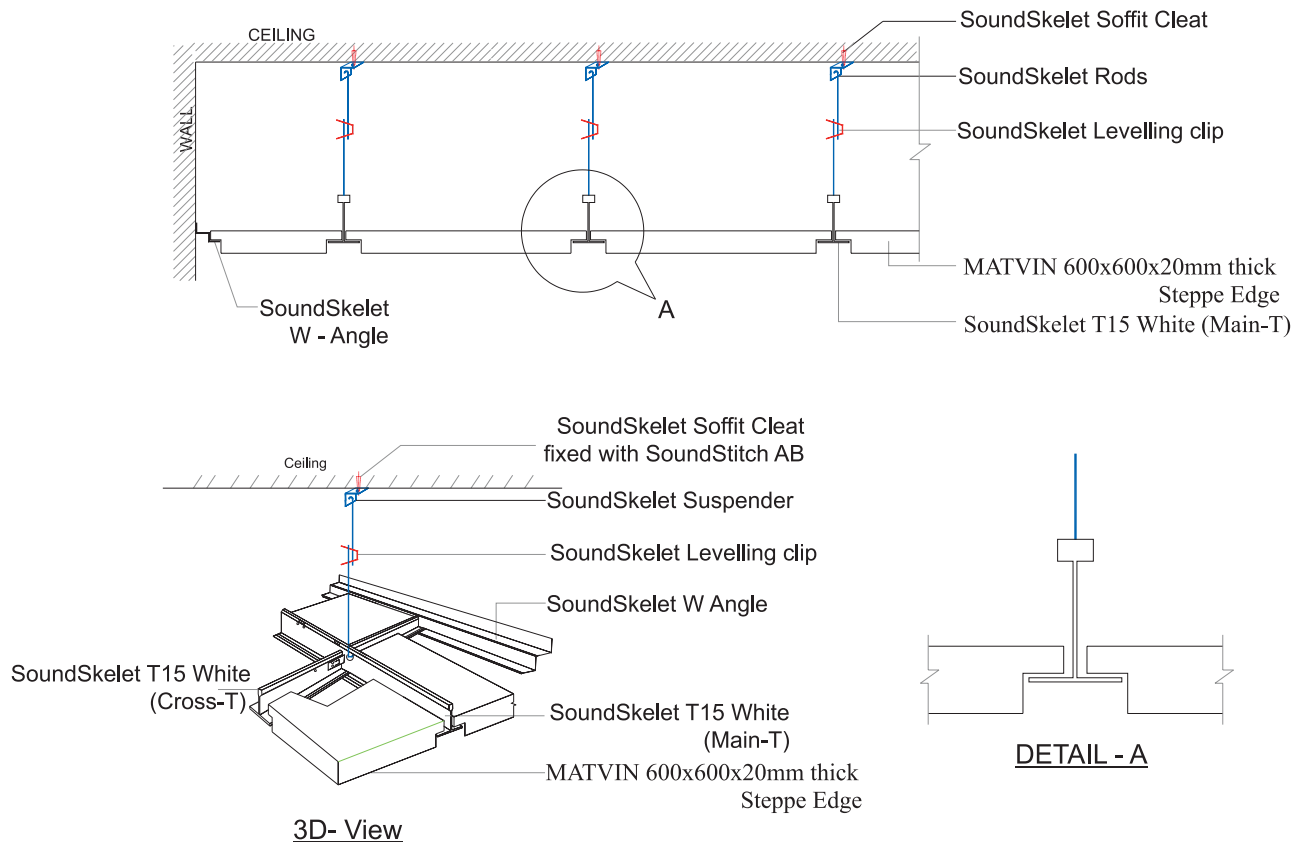
10 years AnutoneSurety - limited warranty - on system (tile and framework) when installed to manufacturer's specifications and maintained as per instructions.

Installation Guidelines - ceiling

Knowledge protocol performing to STC20 noise isolation and NRC 0.5 sound absorption in a RH95 cleanroom environment to Euro norms consisting of Design, Supply, Build of Matvin 595x595x15mm Steppe edge on Skelet T15 to ASTM mounting by Anutone Acoustics Limited, an ISO 9000 2001 company.

The Skelet Main Tees are suspended from the overhead construction with soffit cleats and suspenders at 1200 mm centres. The Skelet Cross Tees are then interlocked into position. Matvin tiles of size 595x595 mm are placed in the ensuing gridwork of size 600x600 mm. All accessories such as soffit cleats, suspenders, levellers, and clips should be installed as per manufacturer's recommendation and ASTM C636.

Installation Drawings - ceiling



References

Office

ISRO	Bengaluru
Maya Appliances	Chennai
SERC	Chennai
Asahi India Glass	Irungattukottai

Auditorium

Reliance	Pune
Thermax	Pune

Education

Kindergarten School	Doha
St. Helena's School	Pune
Sri Aurobindo International Institute	Pondicherry
Indian Institute of Astrophysics	Bengaluru
Indian Institute of Astrophysics	Kodaikanal

Home Theatre

Info Media Exhibition	New Delhi
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