

Sken T

www.anutone.com/membranes.htm

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Key Attributes

Sken T is an asphalt free, high-density, polymer-based, synthetic sound-deadening membrane, which provides good airborne noise isolation due to its visco-elasticity in the different building elements of roofs, walls and floors and also in sheet metal construction.

Typical Applications

Sken T is typically used where space-saving high-end noise isolation is required in architectural and industrial spaces. High indexes of STC are achieved with minimum thickness.

For architecture as in the roofs, walls and floors of acoustically-sensitive or noise-making spaces

- Multiplexes
- Discotheques
- Studios
- Mechanical equipment rooms

For industrial in the soundproofing of booths, machine-rooms and the sound damping of sheet metal.

Features

- High noise isolation
- Flexible
- Elongation capacity
- Adaptable to uneven surface
- Easy to handle
- Thermal resistant
- Excellent ageing-resistance
- Vermin resistance
- Rot-proof

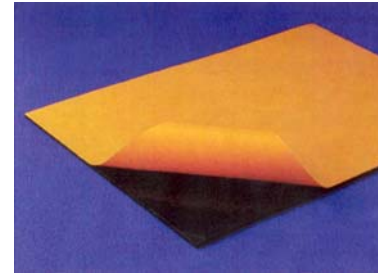
Logistics

		T1	T3	T5
Weight	kg/m ²	3.5	5	10
Thickness	m m	1.8	2.6	5
Dimensions	m	1x2	1.25x0.9	1.25x1.05
Pallet qty	nos.	150	100	50

Site Considerations

Sken T is to be stored in a dry place and not to be exposed to temperatures over 35°C. The maximum recommended storage time is one year.

As an acoustical membrane, it can be applied on all regular types of construction supports. The support must be even, smooth, clean and dry to ensure sticking and avoiding damage to membrane by foreign particles. The condition of plaster need to be checked to prevent adherence problems with Sken T.



Aesthetics

Sken T is a core material and will not be visible. Hence, aesthetic considerations do not apply.

Design Considerations

Sken T has the necessary characteristics of mass, spring and dampness to be a good isolant for airborne noise. However, Sken T is not resilient enough for isolating structureborne vibration isolation.

Sken T is not used as a standalone material and is only effective with the building element like roofs and walls. The noise isolation properties are realised by the combination of the two materials.

Its true potential is best realised when sandwiched in other acoustical material as in Anutone's Smart Septum.

Tech Performance

- Density (kgs/m³) – 1,900 (1.92 gms/cm³)
- Pliability – Does not break bending at -10°C EN 1109
- Tensile Strength – 30 N/cm³ EN 12311
- Compressive Strength – 4.84 kg/cm²
- Elongation – 300% EN 12311
- Young Modulus - 5.5kg/m²/1000Hz/20°C
- Hardness (Shore A) - 42 ISO 868
- Thermal Conductivity - 0.45 W/m°C
- Fire Resistance – Self-extinguishing
- Water Absorption - 0.073% UNE 53028

Accessory Products

- Type – Stick S7 Rubber Adhesive
- Application – Adhesive for gluing Sken T membrane to the surface
- Quantity used – 0.6-0.7 kg/m²
- Logistics – 25 kg cans

Warranty

10 years Surety - limited warranty - on the application of Sken T to Anutone's specifications and maintained as per instructions.

Acoustical Parameters

Due to the special visco-elastic characteristics of Sken T, noise leaks are reduced that occur in traditional building materials due to the natural resonances and critical frequencies. This ensures broadband noise isolation across the frequency spectrum.

NOTE - Anutone has the capability expertise and own infrastructure to perform custom acoustics tests for given design as per ISO 140 at its Scanslab and provide acoustic values of Sken T applications specific to installations.

Installation Guidelines

Sken T and the building material support must be allowed to dry for 5-10 minutes after application of adhesive. Then Sken T is to be fixed over the support and tamped lightly to ensure no air entrapment in between. Consecutive sheets of Sken T must overlap by 50 mm over their vertical and horizontal joints. The joints must be sealed with either adhesive or hot air gun as any openings can reduce the stated noise isolation rating.

Sken T sandwiched in complementary acoustical materials like Anutone's Septum makes the installation faster, better, cheaper!

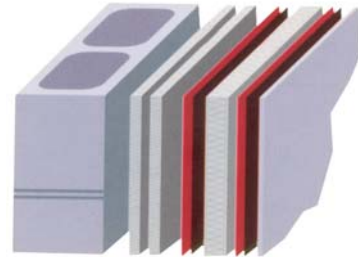
1 m² of Sken T covers approximately 0.90 m² of surface area, allowing for overlaps.



Ceilings and Walls



Floors



Demising Walls

AnutoneSites

Sken T is majorly installed as a sandwich acoustic panel by Anutone - Septum T1, Septum T3, Septum T5 - at Sites. For the latest update on our projects list please visit www.anutone.com/projects.

Custom Methodology

The application of Sken T can be custom-designed to suit specific or special project requirements. The methodology includes the entire value-chain - site evaluation, criteria definition, noise spectra capture, design optimisation, system specs, systems engineering and integration, project management, testing & site validation.

Ordering Information

Interior application, Installation application, Type T1 / T3 / T5, Adhesive (optional).



ANUTONE WALLS & CEILINGS

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