

Light damping sheet for a metal roof

Sound Proof

"Sound Proof" consists of a combination of special resin and a nonwoven shock-absorbing material.

When using "Sound Proof", it makes a living space comfortable.

Specific examples are as follows

Reduces the sound of the rain

Prevents dew condensation

Expects insulation effect

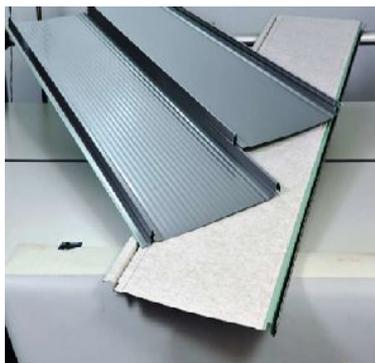
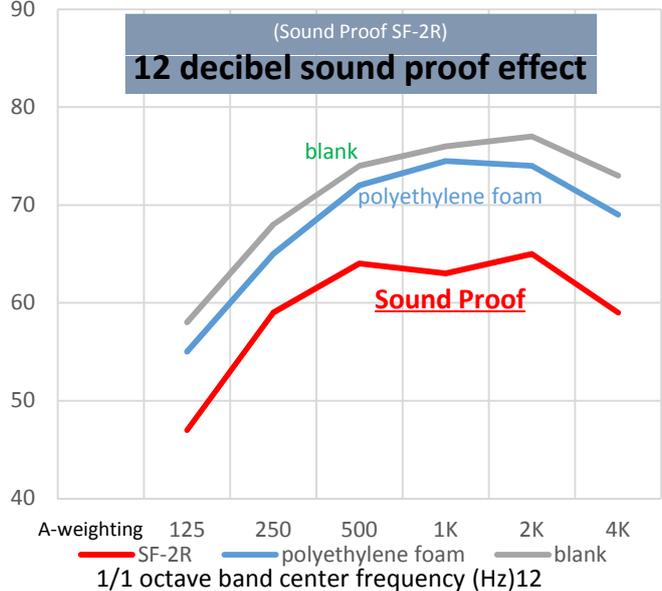
Damping • Heat Insulation SF-2R/SF-4D



Damping SF-2RT

10cm wide Sound Proof tape is also available.

■ Artificial rain test rainfall:150mm/hr height:5.5m
Sound pressure(dB)





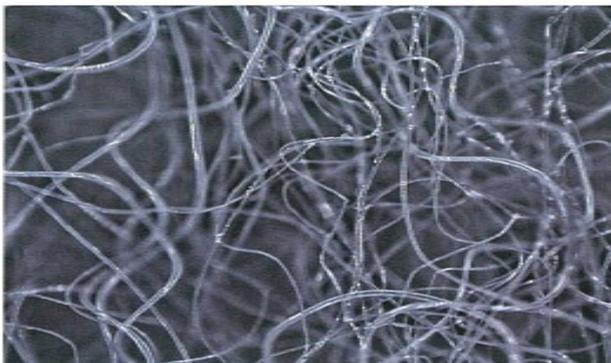
■ Product specification

Item	SF-2R	SF-4D	Remark
Appearance	Ivory color	Ivory color	
Nonwoven weight per area(g/m ²)	120	430	Weight of equipment
Impregnation(g/m ²)	480	350	Damping resin
Product weight(g/m ²)	600	780	
Thickness(mm)	2±0.5	4±0.5	
Specification	10cm wide tape is also available.	Heat insulated	

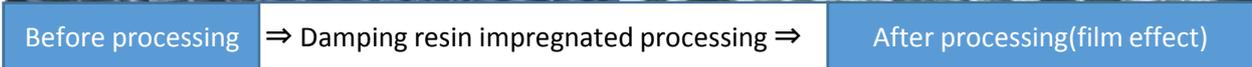
■ Thermal conductivity

Article name	Thermal conductivity W/(m · k)
Sound proof(SF-2R)	0.034
Glass wool 40K	0.034
Other company's insulating material	0.035

■ The enlarged photo (200 magnifications)



Patent Pending



※Notice: This technical information is based on the results of our reliability test. However, it is not guaranteed that performances listed can always be achieved.

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Shock Absorbing Film

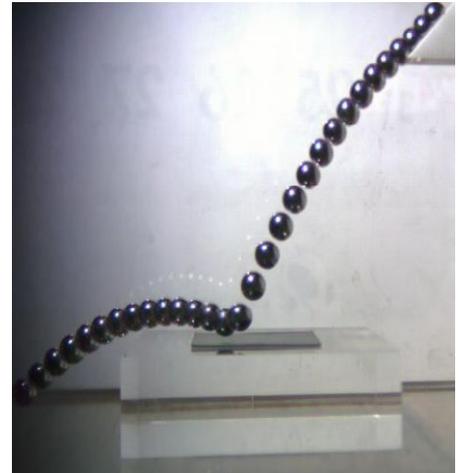
Sound Proof Z

"Sound Proof Z" is a film that contains the special filler in elastomer. (Patent pending)

"Sound Proof Z" has an excellent Shock-absorbing.

"Sound Proof Z" was developed for thin LCD parts such as smart phone, display screen of tablet and so on.

- Shock Absorption
- Light Flexibility
- Little Tack



Applications

Multifunction machine



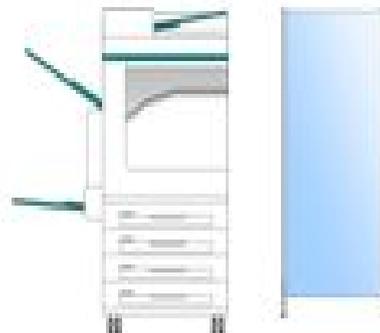
PC



Smart phone / Tablet



Others



Physical property of Sound Proof Z

Basic property

Color Phase	Transparent color
Tensile strength	1.0MPa
Stretch	500%
Specific gravity	0.98

- Colorable by adding coloring agent.
 - Tensile strength, Stretch
- Test machine: Strograph R1
 Test speed: 200mm/min
 Ambient atmosphere: 23°C
 Test piece: JIS No2. Dumbbell
 The thickness of test piece: 200μm

Iron ball drop test result

Item/thickness	100 μ m	200 μ m	300 μ m
Diameter			
10mm	3~5	1~2	0~1

Test method:
 A given diameter iron balls were dropped on the acryl sheet(100 × 100mm, 30mm thick) from 100mm height then the highest rebounding(unit:mm) was measured by sight.

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