

# **Alumetal**

U.S.A

## **Futuristic Ceiling Systems**

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Futuristic Ceiling Systems

## INTRODUCTION

**Alumetal** u.s.a Futuristic Ceiling System is the latest product launch of American Building Technologies Inc., Denver Colorado, U.S.A. The ever-growing market requirement of an aluminum ceiling system that stands out from the rest has been the primary factor in introducing **Alumetal** u.s.a Ceilings. The challenge of providing an elegant and functional ceiling system with designer looks and high performance at an economical value has been made possible by the acquirement of state of the art technology and fresh ideas of a young designer team. The result has been an amazing array of 40 exceptional design patterns. Patterns have been achieved by perforations giving the system a high level of acoustic performance. **Alumetal** u.s.a has been tested for sound attenuation and acoustic performance in independent international labs and test reports are provided upon request. **"An architect's dream has finally come true!"**



## Alumetal CEILING RANGE

U.S.A



**Alumetal** u.s.a Futuristic Ceiling Systems is currently available in Clip-in Panel System and Exposed Grid Panel System. The option of perforated and plain patterns offer an attractive monolithic ceiling appearance with a design freedom. **Alumetal** u.s.a is available in Stove enameled as well as Powder coated finishes. The system can be supplied in custom made colors both in metallic and solid colors. The ceiling panels are available in standard 600x600mm as well as 300x300mm dimensions. Specialty access panels are designed to be integrated for easy access to services and a range of lighting accessories compliment the **Alumetal** u.s.a Ceiling System to make it a complete ceiling solution. The wide range of 40 patterns makes it an Architect's dream to provide designer ceilings at an economical cost.

Plain Concealed Clip In System



Perforated Concealed Clip In System



Plain Exposed Lay In System



Perforated Exposed Lay In System



## DESIGNER SERIES

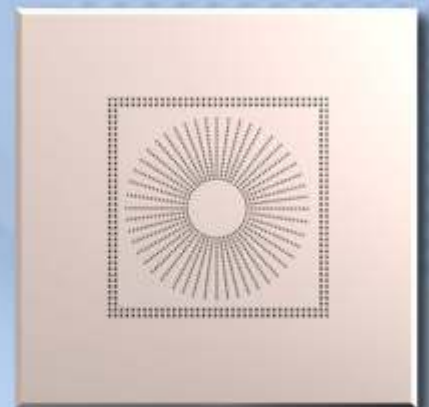
**Alumetal** u.s.a Futuristic Ceiling Systems are available in a standard range of forty design and perforation patterns making it arguably THE LARGEST SUPPLIER OF PERFORATED RANGE IN THE WORLD amongst the recognized international suppliers. These patterns provide between 8% to 40% perforated area giving the option to the Architect/Client of a truly elegant Designer Ceiling System with high acoustic performances.



AAD - 001

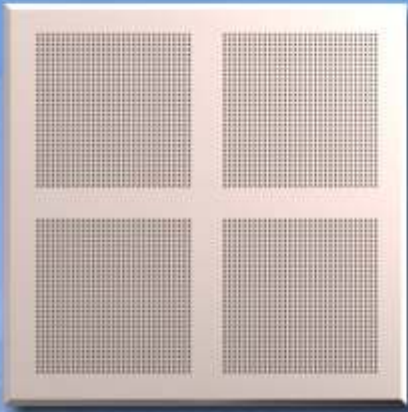


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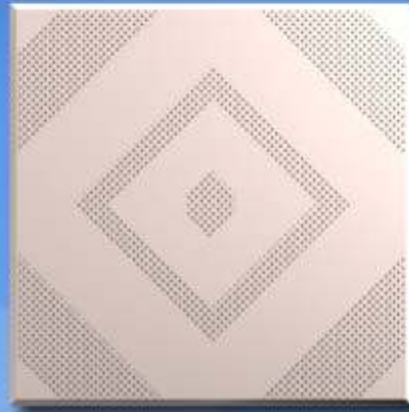


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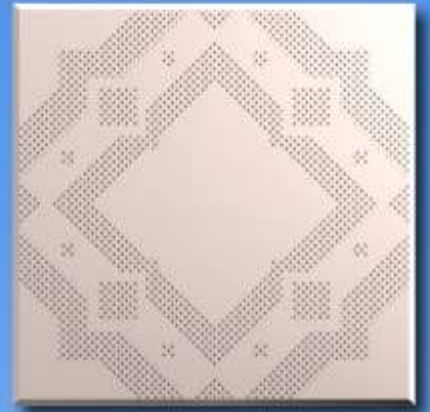
## DESIGNER SERIES



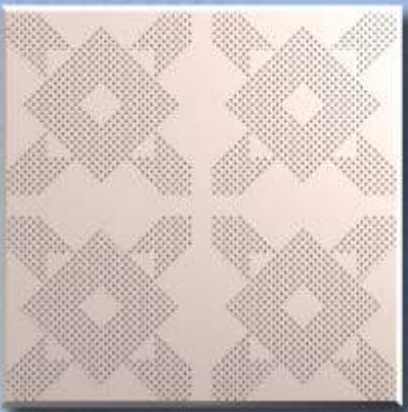
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AAD - 005



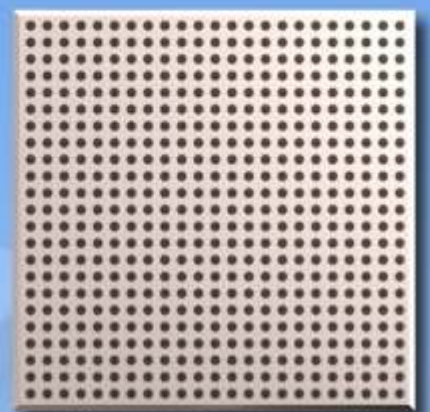
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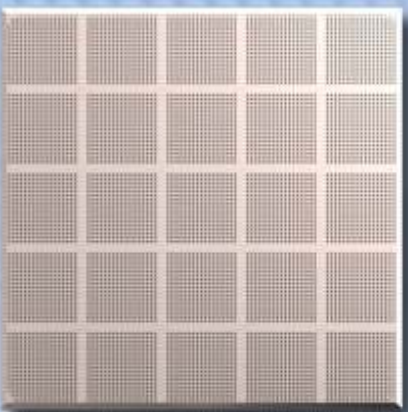
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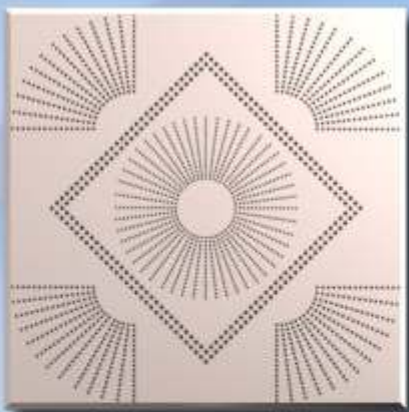
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AAD - 009



AAD - 010

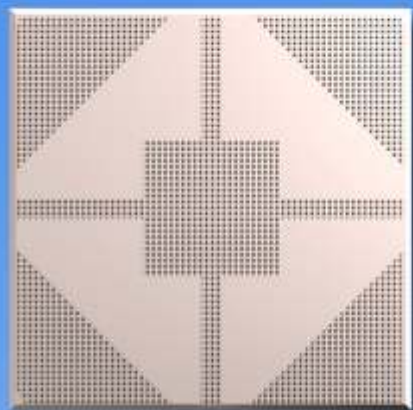


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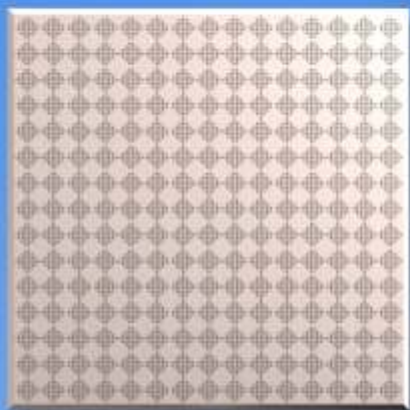


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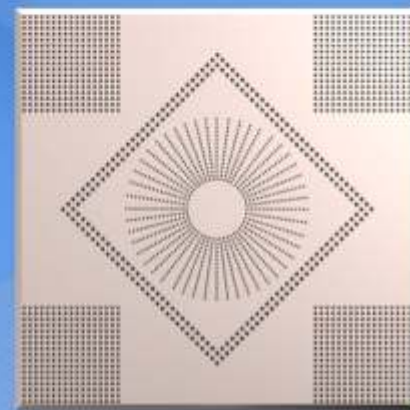
## DESIGNER SERIES



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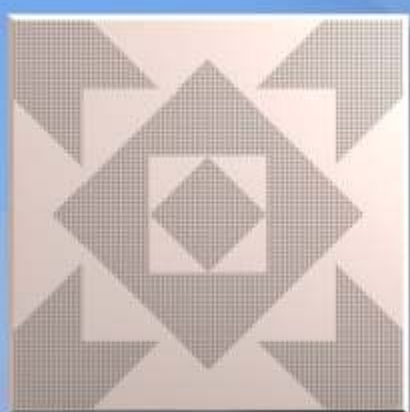
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AAD - 015



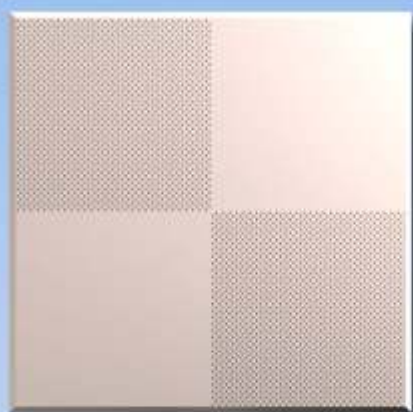
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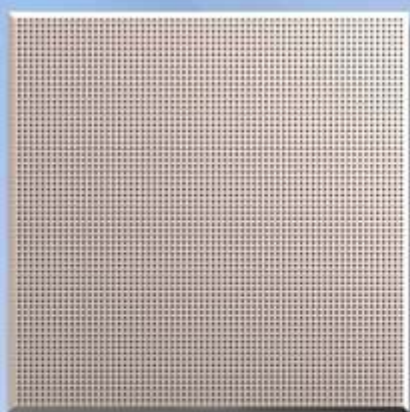
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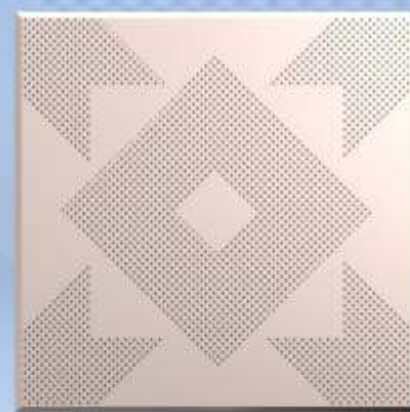
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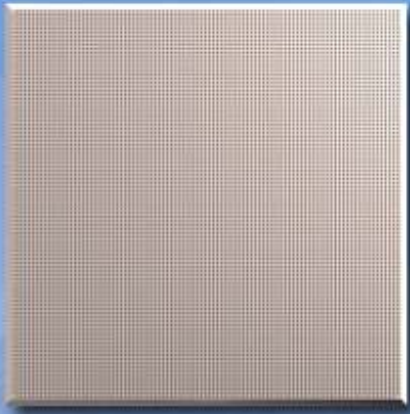


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AAD - 021

## DESIGNER SERIES



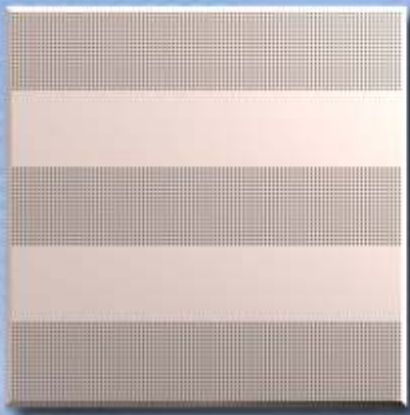
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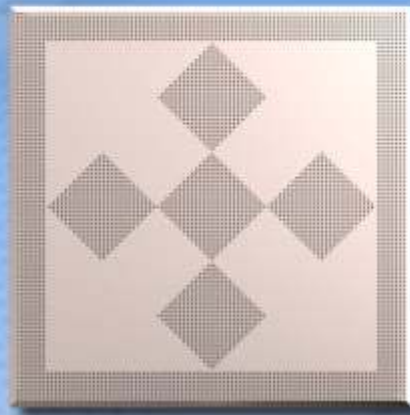
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AAD - 030

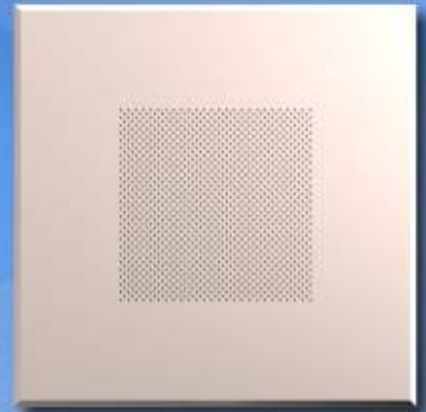
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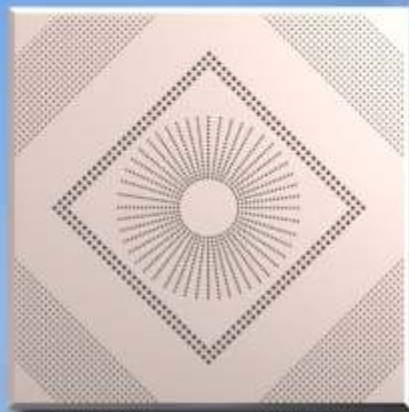
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AAD - 033



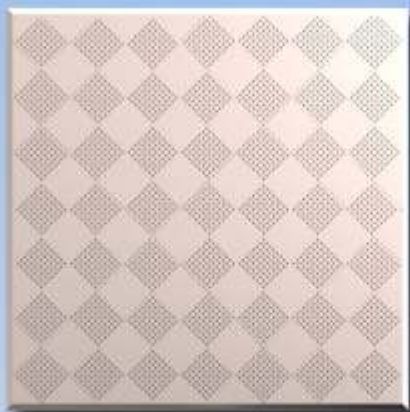
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AAD - 035



AAD - 036



AAD - 037



AAD - 038



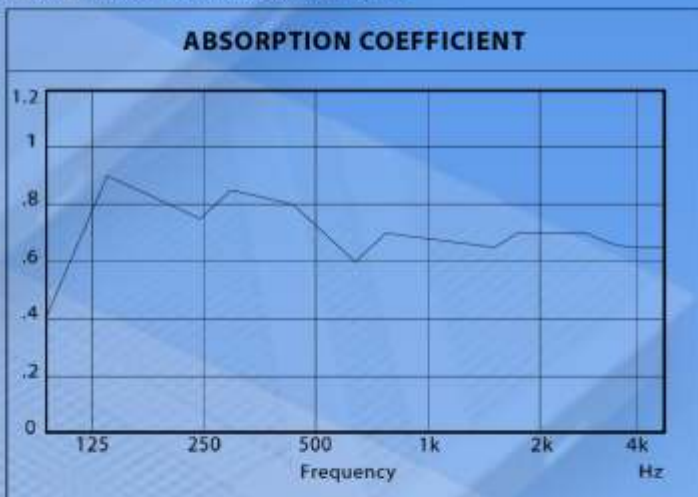
AAD - 039

## ACOUSTIC PROPERTIES

### SOUND ABSORPTION

ALUMETAL U.S.A Futuristic Systems are continually tested by international independent laboratories in U.K and U.S.A for sound absorption and acoustic performance to conform to ISO 354-1985.

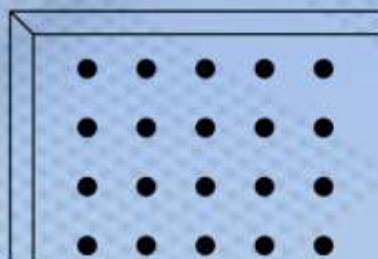
Example: ALUMETAL U.S.A with 16% open area perforations lined with 0.05mm thick non-woven acoustic tissue.



**Alumetal** u.s.a Futuristic Ceiling Systems allow for a high level of sound absorption and attenuation. Ceiling Panels are available with or without non-woven acoustic infill material bonded into them during manufacture. Infill materials are black or white non-woven acoustical tissue that produces excellent sound absorption. Alternatively, black film can be specified to reduce air movement and dust penetration through perforations. Mineral wool acoustical pads can also be supplied in a wide range of thickness and densities.

TEST SPECIMEN	FREQUENCY (Hz)					
	125	250	500	1000	2000	4000
1/3 Oct.	0.34	0.84	0.79	0.69	0.69	0.67
	0.60	0.78	0.71	0.66	0.69	0.66
	0.89	0.84	0.61	0.64	0.69	0.64
1/1 Oct.	0.61	0.82	0.70	0.66	0.69	0.66

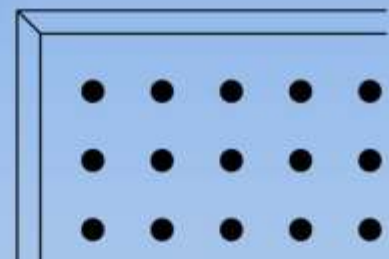
### PERFORATION EXAMPLES



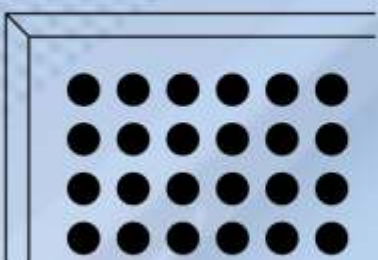
2.3mm diameter hole on a 5x5mm square pitch with a 16% open area



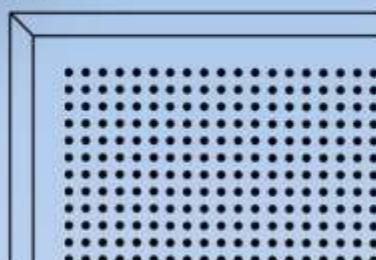
1.8mm diameter holes on a 10x10cm diagonal design pattern with a 16% open area



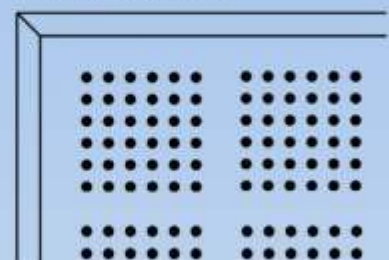
2.3mm diameter holes on a 5x5cm square pitch on a designer quarter grid pattern with a 16% open area



6mm diameter holes on a 8x8cm square pitch with a 40% open area

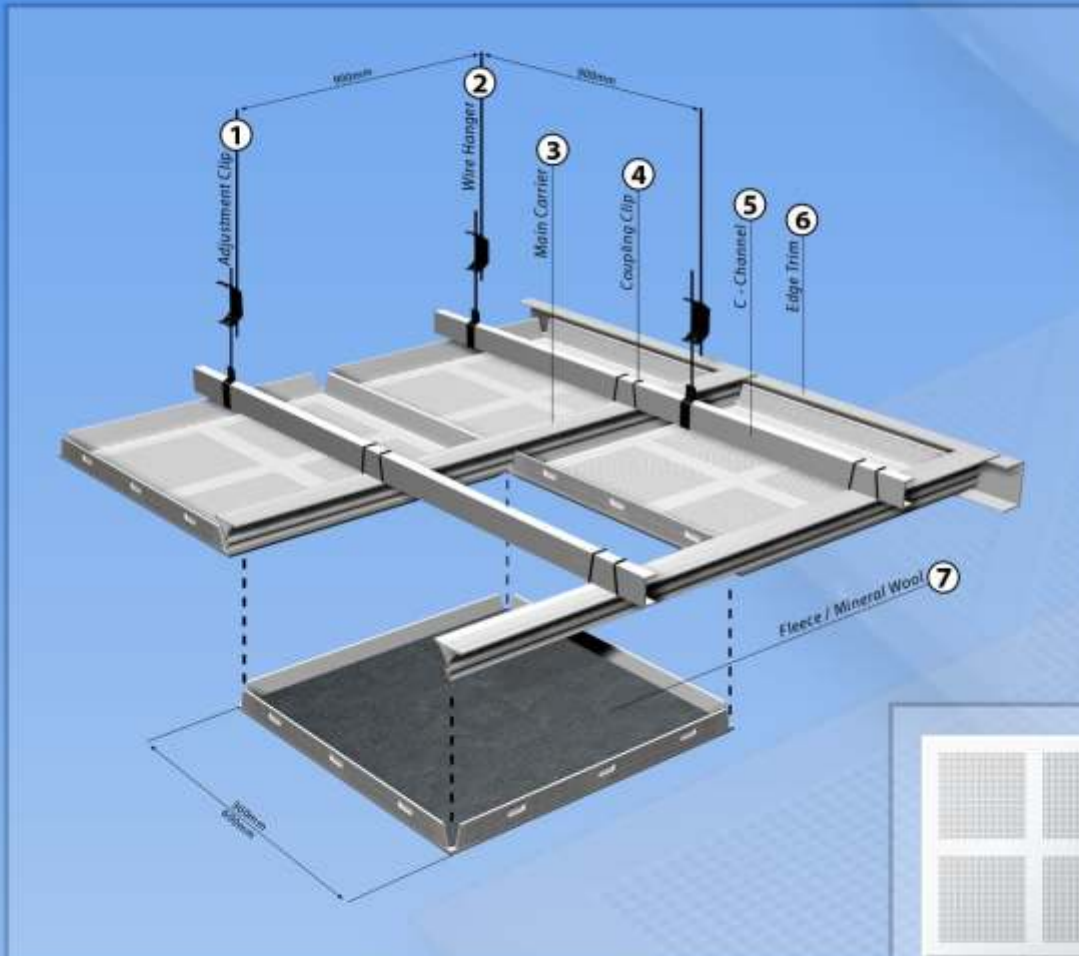


1.8mm diameter holes on a 3.5x3.5cm square pitch with a 21% open area



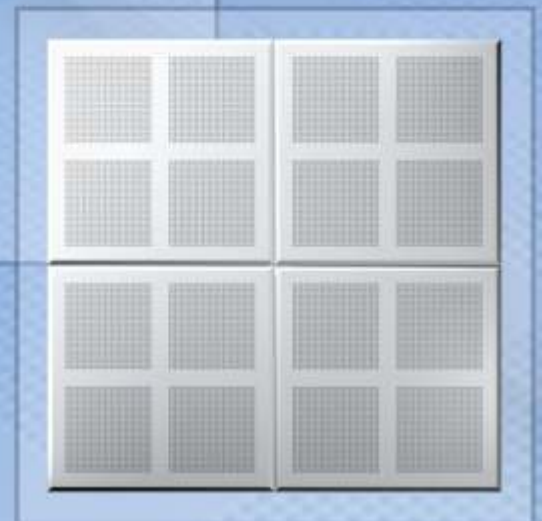
1.8mm diameter holes on a 10x10cm square designer pattern giving an open area of 16%

## CONCEALED CLIP IN TILES FIXING DETAILS

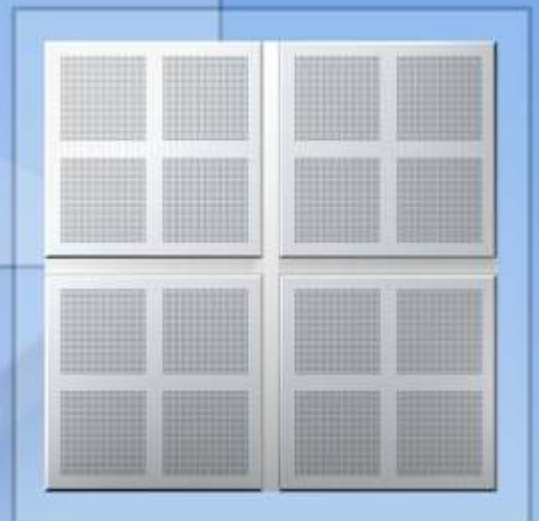
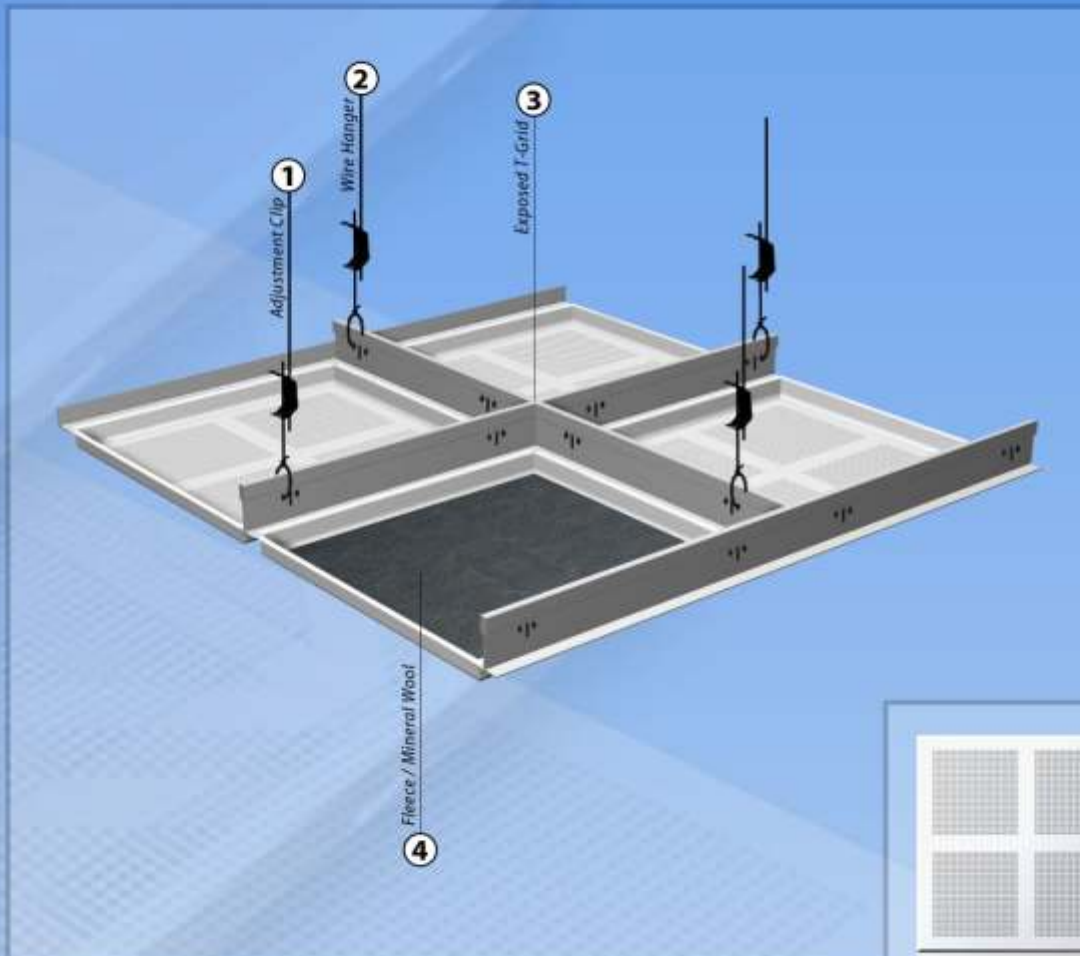


### Support System Accessories

- 1 Adjustable Clips :**  
High tensile steel clips
- 2 Wire Hanger :**  
Hot dipped galvanized high tensile steel wire hanger  
2.5/3mm diameter
- 3 Main Carrier :**  
Hot dipped galvanized high tensile steel carrier
- 4 Coupling Clip :**  
Hot dipped galvanized high tensile steel coupling clip
- 5 C - Channel :**  
0.5mm hot dipped galvanized high tensile steel support channel
- 6 Edge Trim**  
U/L shaped edge trim designed to hold the carrier and tiles
- 7 Fleece / Mineral Wool**  
Acoustic blanket in mineral wool



## EXPOSED LAY IN TILES FIXING DETAILS



### Support System Accessories

- 1 Adjustable Clips :**  
High tensile steel clips
- 2 Wire Hanger :**  
Hot dipped galvanized high tensile steel wire hanger  
2.5/3mm diameter
- 3 Exposed T - Grid**  
Proprietary 24/15mm wide T-grid system for easy access
- 4 Fleece / Mineral Wool**  
Acoustic blanket in mineral wool

## Worldwide Distributor

### **Eurocon Building Industries (F.Z.E)**

P.O. Box.4819, Ajman, U.A.E  
Tel : +971-6-7441450  
Fax : +971-6-7425196  
E-mail:sales@alubond.com

## Europe

### **Tehnomarket Aluminium Extrusion**

Navoseljanski put 40, 26000 Pancevo  
Serbia and Montenegro  
Tel / Fax : + 381 13 317293 ; 381 13 347053, 381 13 314712  
E-mail : office@tehnomarket.com

## Mexico and South America

### **Alubond de Mexico S.A. De C.V.**

AV Mariana Otero #3431,  
6 Piso, Oficina 603, Col. Verde Valle C.P. 44550  
Guadalajara, Jalisco, Mexico  
Tel : +52 33 3818 4323, Dir 3123-0300  
Nextel : +52 33 1077 - 3385  
E-mail : lalessi@alubond.com.mx

## India Sales

### **Alubond India International**

Tel: +91-22-2850 9762 / 64  
E-mail:alubondindia@alubond.com  
Mumbai, India

### **Alubond India International**

Tel : +91-40-55982247  
E-mail:hydindia@mulkgroup.com  
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### **Alubond India International**

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## Iran

### **Daryoush Sayyahfar and Zhackson Khandadash**

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