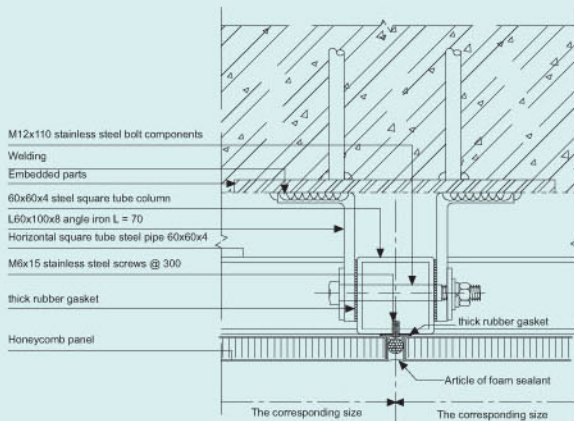
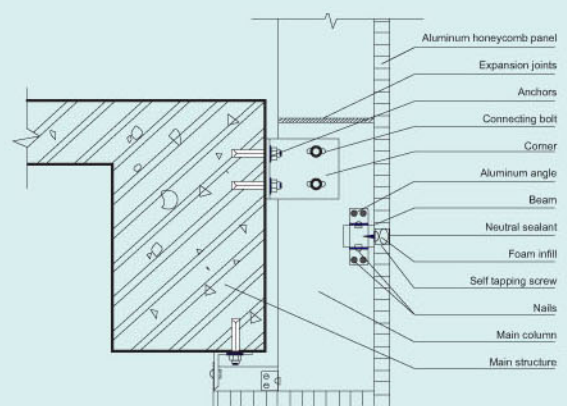


Aluminum honeycomb panel installation diagram



Joint structure plan with gap



Curtain wall installation diagram of aluminum honeycomb panels

Specifications of honeycomb structure panels

Product name	Specifications	Application
Aluminum glass fibre reinforced plastic composite panels	Standard 1220X2440 1000X2000	Applicable to single and double side composite slab, ceramic, and furniture plate
Aluminum honeycomb composite panels	Standard 1220X2440 1000X2000	Applicable to single and double side composite slab, ceramic, and furniture plate
Aluminum honeycomb wall panels	In common use thickness: 10mm, 15mm, 20mm, 25mm	Applicable to direct installation on interior and exterior wall body
Stone emulation honeycomb panels	Standard 1220X2440 1000X2000 Thickness: 6mm, 10mm, 15mm, 20mm	Applicable to separate panels in the interior and exterior decoration of a building

TECHNICAL DATA OF ALUMINUM HONEYCOMB PANEL

Thickness	20mm	25mm
Front aluminum panel	1.0mm	1.0mm
Back aluminum panel	1.0mm	1.0mm
Weight (kg/m ²)	7.4	7.8
Mechanics function of composite panel and surface panel		
Inertia rectangle I(cm ⁴ /m)	19.85	31.67
Measurement of cutting W(cm ³ /m)	19	24
Hardness of complex panel E.I (KN cm ² /m)	139000	221700
Aluminum surface panel	AA 5754A(ALMg3)	
Elasticity modulus (N/mm ²)	70000	
Tensile strength of surface panel (N/mm ²)	Rm ≥ 220	
0.2% Yield strength of bending (N/mm ²)	Rp0.2 ≥ 130	
Extending rate (EN485-2:1994)	A50 ≥ 8	
Hot expanding of aluminum materials	2.4mm/m	When the temperature discrepancy is 100℃
Surface decoration layer		
PVDF Spray and enamel paint		
Gloss (original value)	30-40%	
Hardness of pencil	HB-F	
Honeycomb core		
Size of honeycomb	1/4"(6.3mm)	
Weight standing of aluminum materials	It is about 80kg/m ³	
Strength of pressure-resistant (MIL-STD-401)	4 N/mm ²	
Function of acoustics		
Sound absorption coefficient αs	0.05	
Index of sound isolation	According to ISO717-Rw	23 25
Function of heating		
Thermal conductivity index λ (W/M ² K)	2.25	2.7
Thermal resistance value R(1/m) (m ² k/w)	0.0089	0.0093
Heat transfer coefficient U(k) (w/m ² k)	5.59	5.575

For composite panel, the thermal conductivity index depend on the total thickness of panel.