

GPM50 PHARMACEUTICAL CLEANROOM WALL PANEL SYSTEM

INTRODUCTION:

GPM50 Pharmaceutical Cleanroom Wall Panel System is design to meet your most demanding criteria as:

1. Cost effective & value engineering
2. Superior appearance
3. Non-demountable
4. Fast, flexible and easy installation
5. Fast delivery and competitive cost
6. Fire rated
7. Suitable for cleanroom 100 to 100K
8. Comply with GMP standard

System: Non-demountable wall panel system

Panel Type: 50mm thick
Panel edge sealed by 0.8mm GI sheet made framework

Applications: Pharmaceutical Cleanroom

Facings: 0.5mm PE Roll Coated steel skin, with or without Static Dissipative Surface Treatment
Conductivity: $R=10^6\Omega-10^9\Omega$
Or 0.5mm PE Roll Coated, non-conductivity surface and also we provide PVDF and HPL optional.
The surfaces are protected with a film foil (0.05mm) for the prevention of scratches during transport and installation damages.

Color: Grey White (Close to RAL 9016)

Core: Aluminum Honeycomb, Rockwool, Paper Honeycomb

Adhesive: Rebon YB2002 (resin) mixed with YB8001 (Hardener) Epoxy Paste Adhesive
Mixing Ratio, YB2002:YB8001=4:1

Panel Dimension: Thickness of the panel is 50mm.
Width of the panel is 1187mm

Material: Aluminum Alloy (6063-T5)
Surface Treatment, Powder coated with grey white color or natural iodized.

Table 1: Honeycomb Aluminum Panel Specification

| Description | Honeycomb Aluminium Panel |
|-----------------------------|---------------------------|
| Non-Combustible | Class B1 |
| Thermal Conductivity | <0.044 W/mk |
| Resists Temperatures | >100°C |
| Water Absorption | Moderate |
| Compression Resistance | >100kPa |
| Aluminum Core Thickness | 0.06mm |
| Aluminum Honeycomb Diameter | D=17mm |
| Compressive Strength | >200 kPa |
| Flammable Gas Toxicity | Moderate |

Table 2: Rockwool Panel Specification

| Description | Rockwool Panel |
|-----------------------------|--|
| Fire Rating | >1 hour |
| Thermal Conductivity | <0.044 W/mk |
| Resists Temperatures | >1000°C |
| Water Absorption | Moderate |
| Compression Resistance | >40 Kpa |
| Noise Absorbing, at 125 Hz | 0.07 |
| Density, kg/m ³ | 100 kg/m ³ ~120 kg/m ³ |
| Compressive Strength | 150 kPa |
| Flammable Gas Toxicity | Moderate |
| Core Intenerate Temperature | >150°C |

The design is based on partition decoration and easy for cleaning which the profile is prevents dust accumulates.

The systems provide faster and easier assemblies with aluminum alloy connect with the PVC make capping, and all screw is hidden which the screw is not appear on curving surface, give installer greater installation accuracy, quickly and efficiently, reducing the construction schedule. The system is non-progressive and demountable system. Can easily reusable and relocation.

Figure 1: GPM50 System Detail Drawing

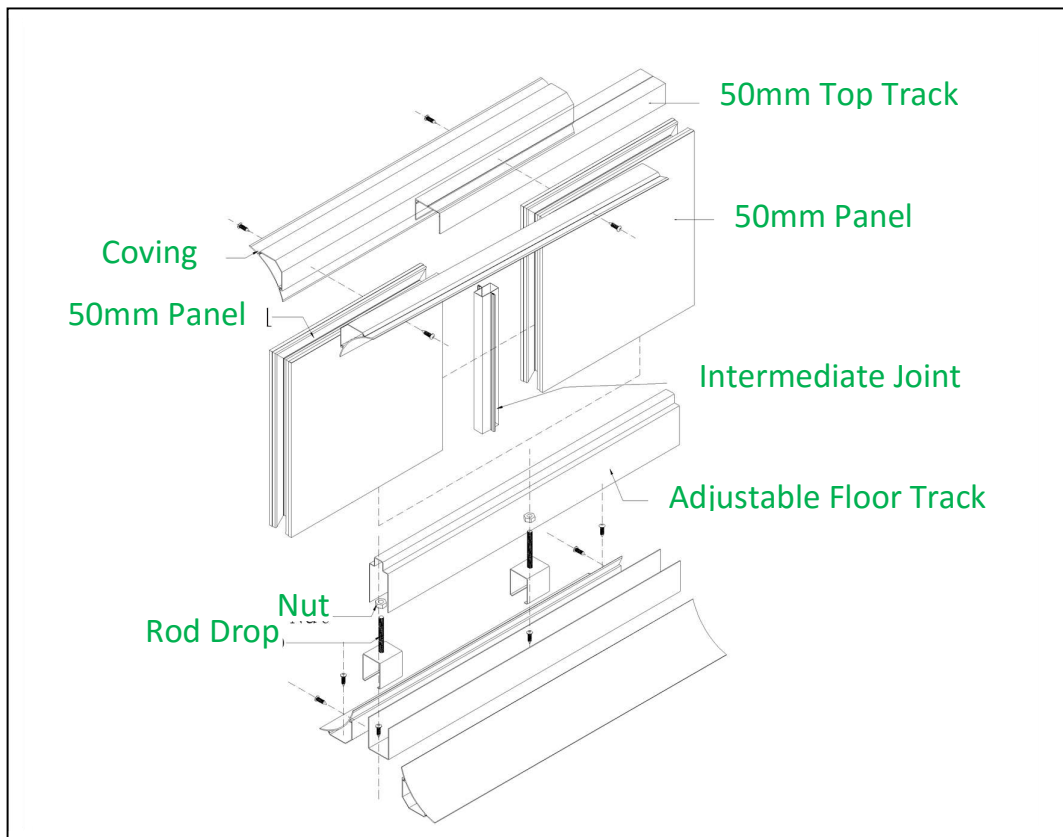


Figure 2: GPM50 System Panel Intermediate Joint

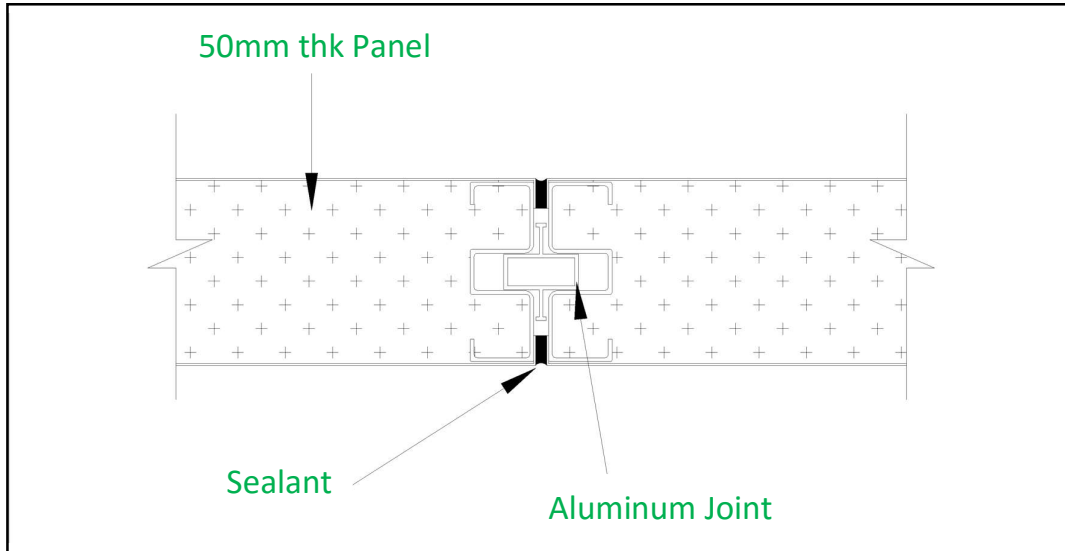


Figure 3: GPM50 System Double Glaze & Panel Joint

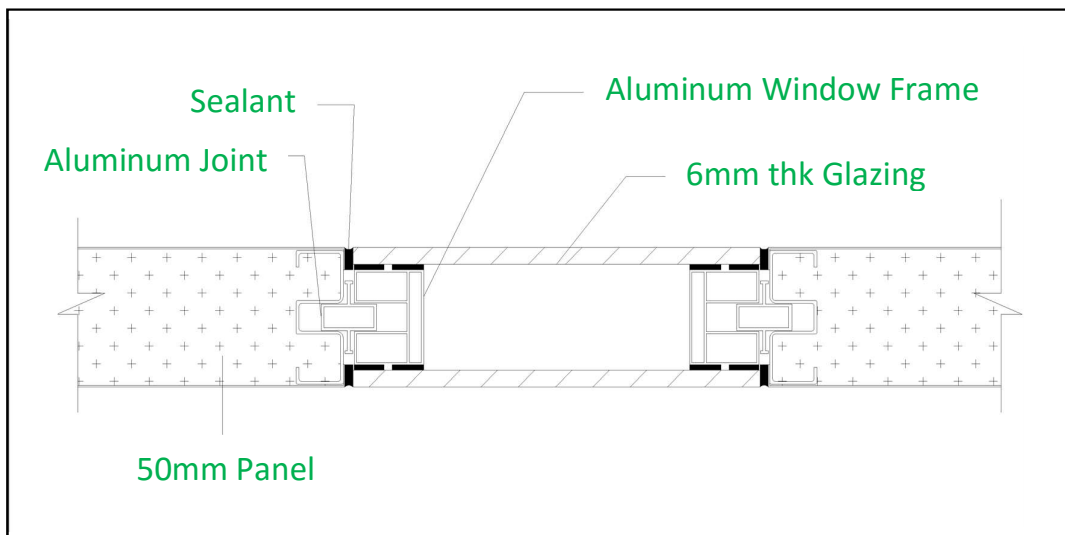


Figure 4: GPM50 System Ceiling & Panel Point

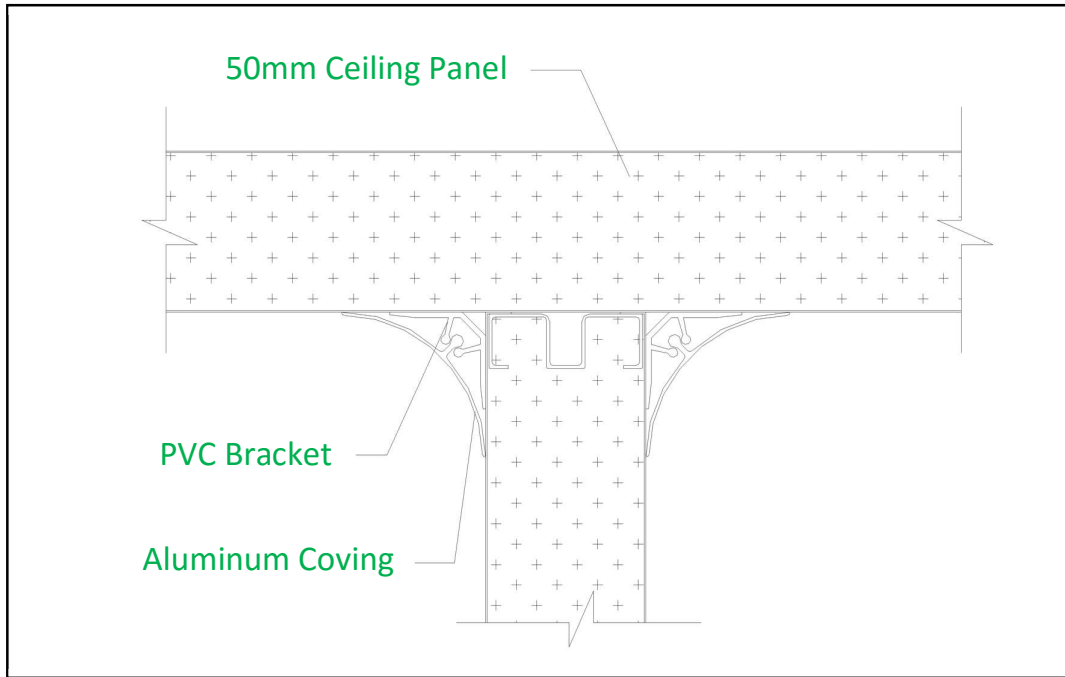


Figure 5: GPM50 System Adjustable Floor Track on Floor Sitting

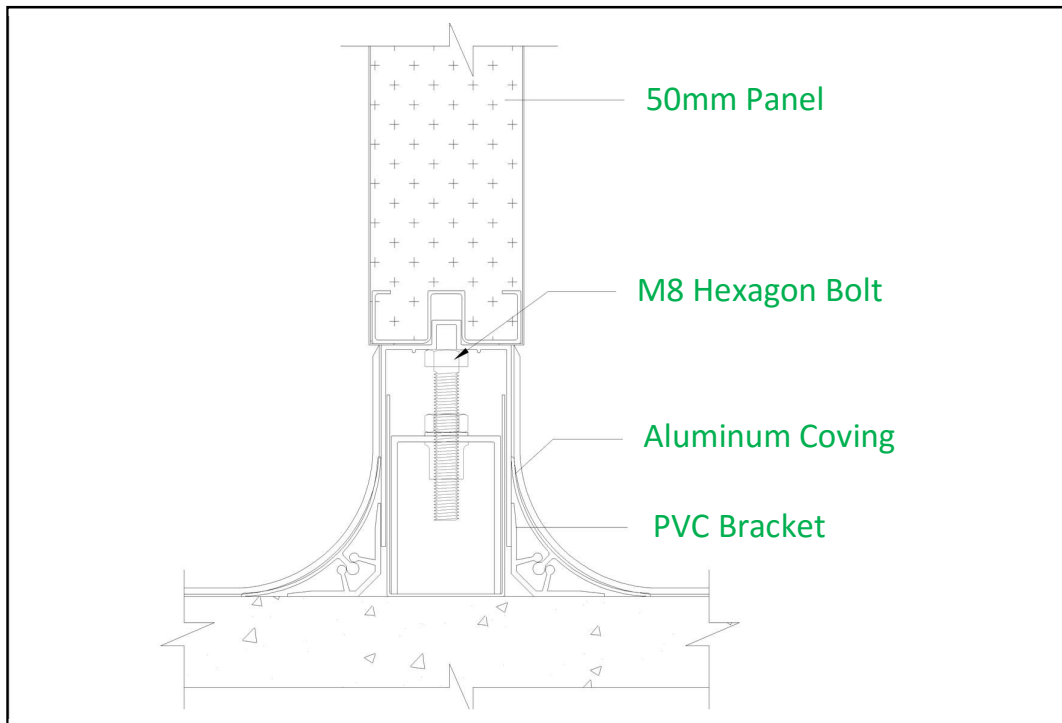


Figure 6: GPM50 System Wall Corner Joint

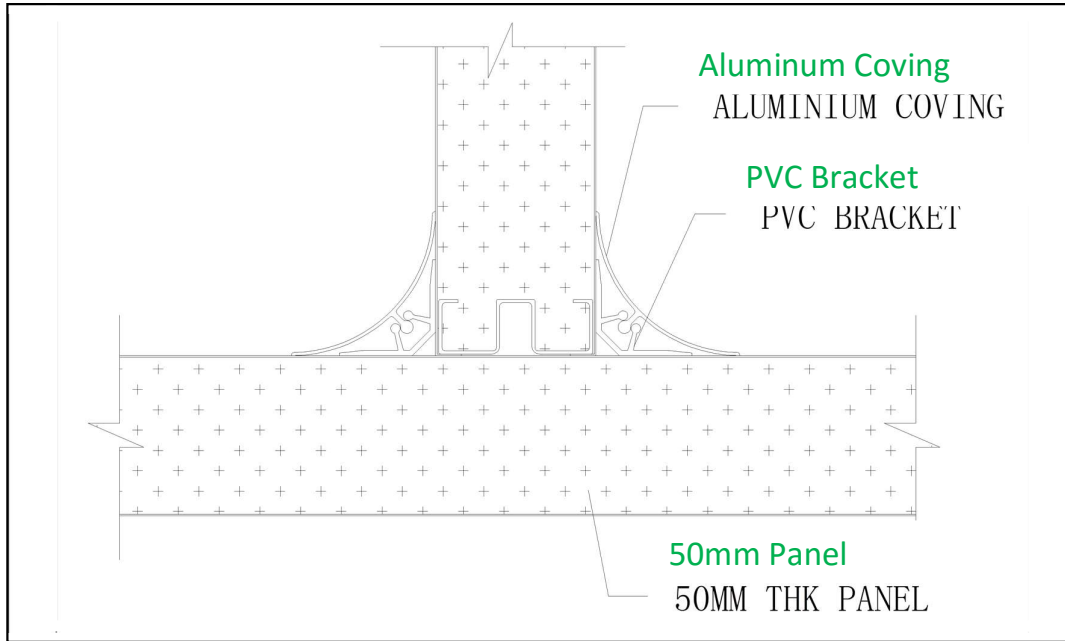


Figure 7: GPM50 System Wall Corner with Rounded Joint

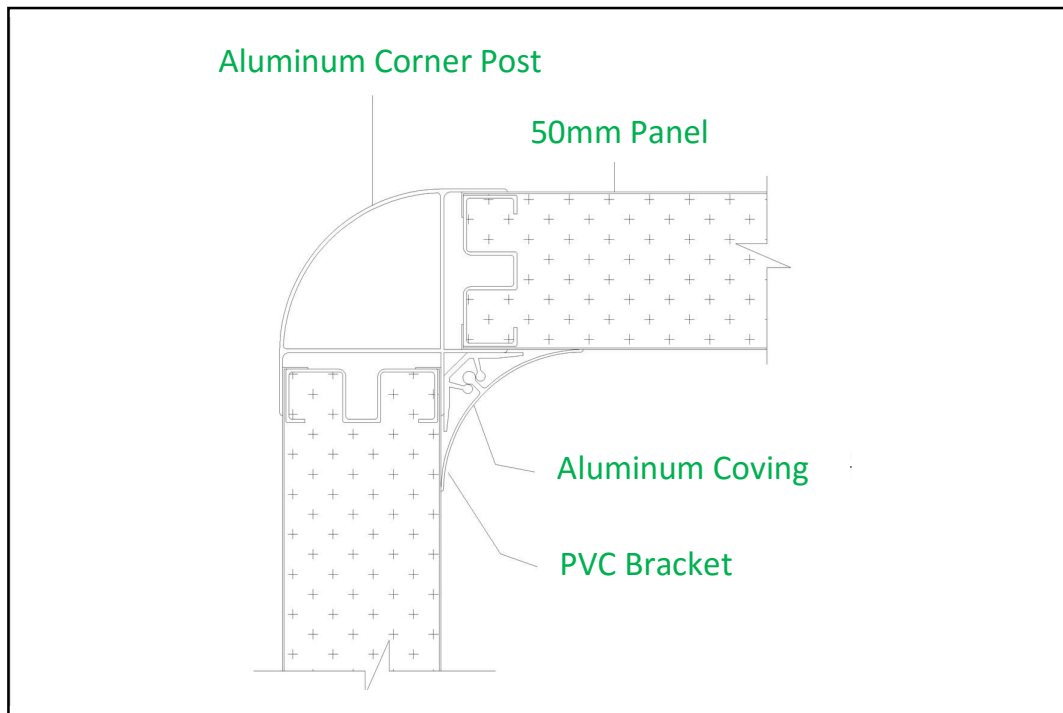


Figure 8: GPM50 System Simulation Appearance (External)

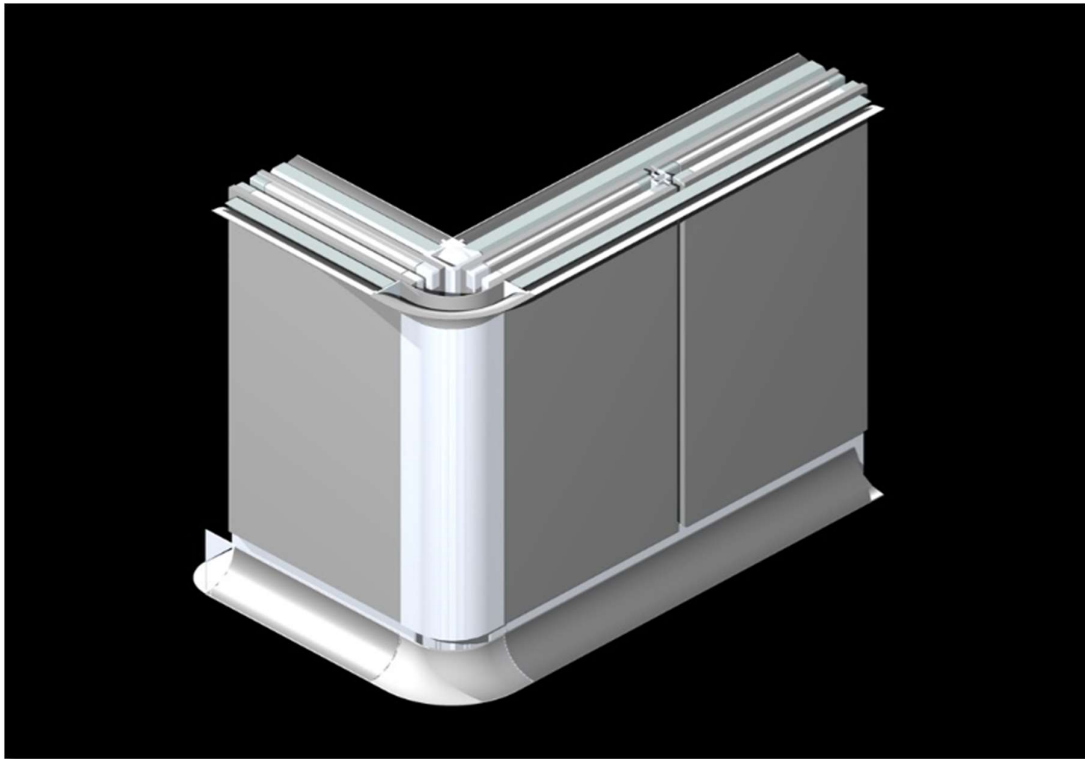


Figure 9: GPM50 System Simulation Appearance (Internal)

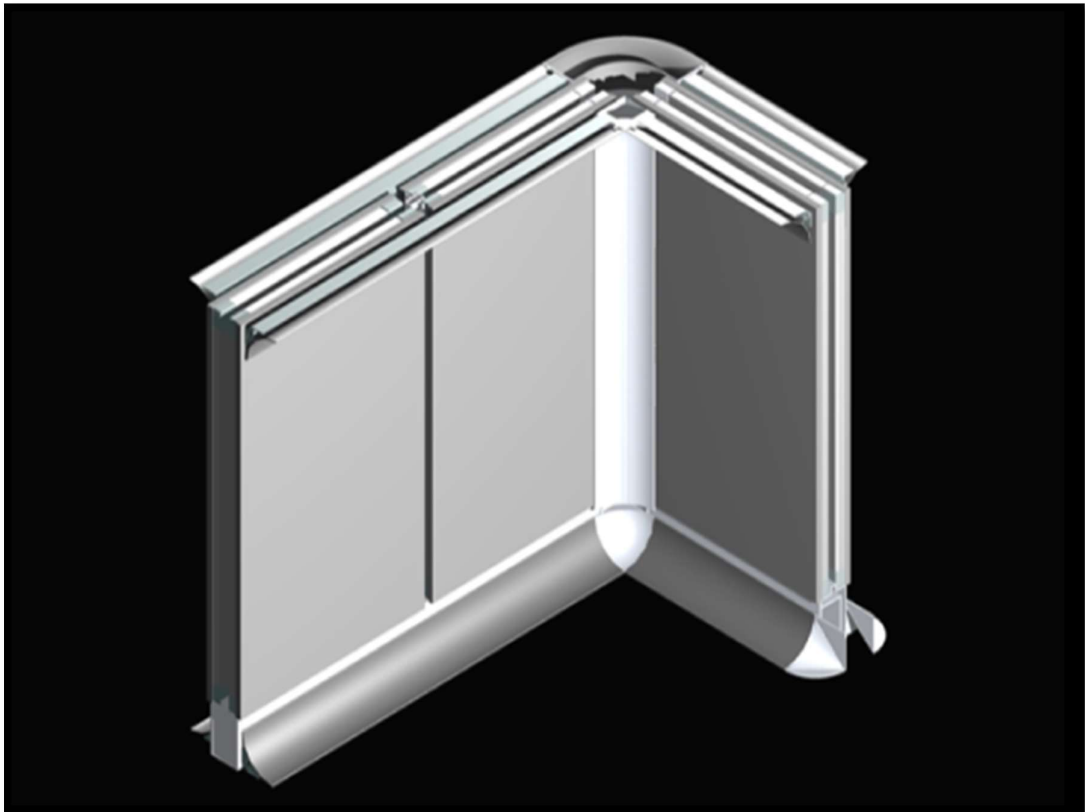


Figure 10: GPM50 System Parts Combination (External View)

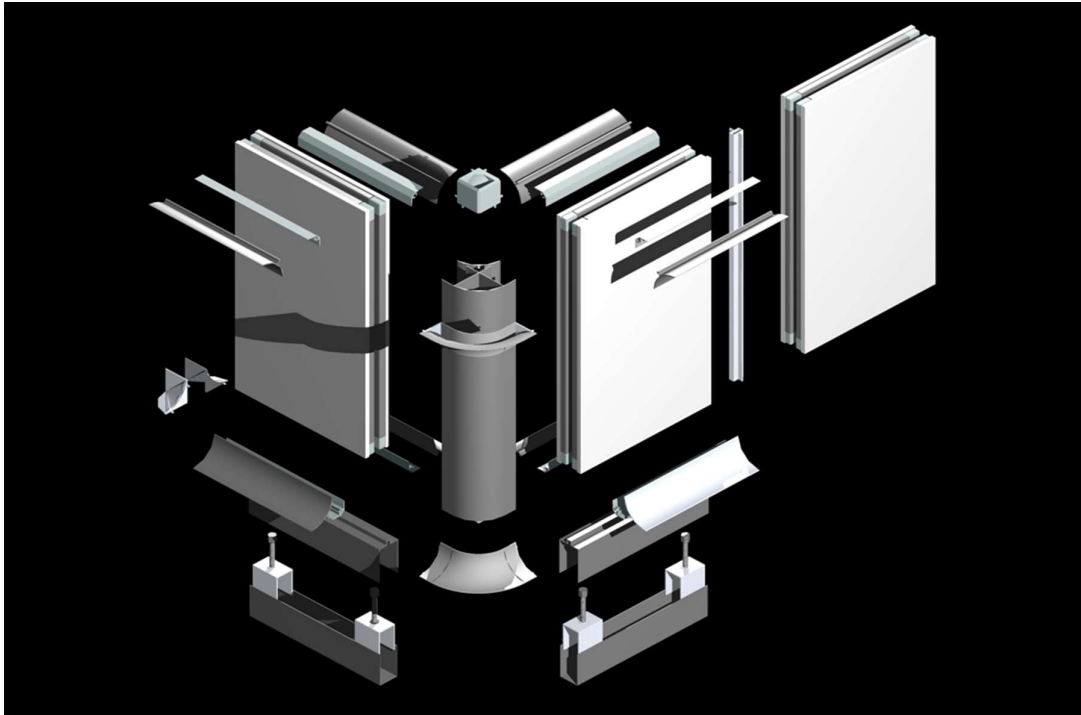


Figure 11: GPM50 System Parts Combination (Internal View)



Figure 12: GPM50 System Finishing After Completed



Figure 13: GPM50 Systems Typical Appearance



Figure 14: GPM50 Systems Setup

