



Leading the Way in High-Performance  
Building Envelopes with

**CENTRIA International**

PGF Global Distribution Sdn Bhd, a sister company to PGF Insulation Sdn Bhd, offers a diverse range of high-performance building solutions. Together with CENTRIA International, PGF Global Distribution provides state-of-the-art insulated wall metal panels and other innovative architectural products.

CENTRIA International's DSR-J panels are primarily designed for exterior wall applications where both performance and design aesthetics are crucial. Ideal for commercial and industrial buildings, these panels offer a composite structure made up of two layers of metal hot-pressed onto a fire-resistant mineral wool core. This combination ensures superior fire resistance, thermal insulation, and durability.

The innovative DSR-J panels deliver exceptional performance in harsh environments while offering cost-effective solutions for milder conditions. Renowned for their design flexibility for various building facades, these panels can be custom-curved and installed vertically, horizontally, or in running bond patterns. They are available in both steel and aluminium options.

## STRUCTURAL CHARACTERISTIC

### Seamless Fastening

Designed with a patented "J-section" hook for concealed fasteners, resulting in air and water-tight seals.

### Customization Options

Available in a wide range of thicknesses, up to 200mm, with various metal skin options such as prepainted steel (aluminum) coil, stainless steel, titanium zinc, anodized aluminum substrate, and more.

### Suitable for Malaysian building

DSR-J metal liners are specially designed to act as vapor barrier and are highly effective in tropical environment.

### Interlocking Design

The interlocking feature design enhances airtightness and strength, delivering a robust building enclosure for improved energy efficiency and durability.

### Extensive Colour Palette

Extensive standard colour palette (including RAL & CBCC systems), with options in micas, metallics, and various gloss levels.



**Horizontal Installation**

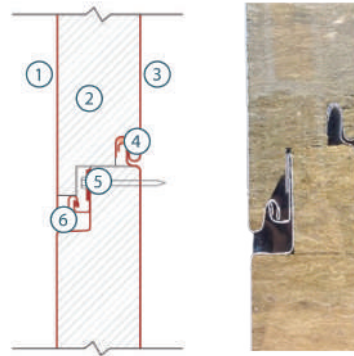


**Vertical Installation**



## COMPONENTS

- ① Durable Exterior Metal Skin
- ② Fireproof Mineral Wool Core
- ③ Durable Interior Metal Skin
- ④ Factory Applied Concealed Sealant
- ⑤ Concealed Clips and Fasteners
- ⑥ Pressure-equalized J-joint



## PERFORMANCE HIGHLIGHT

### Superior Aesthetics

Includes curved panels, seamless corners, vertical panels, and a wide selection of colors.

### Fire Safety

Certified as fire-resistant by local and international accreditations

### Enhanced Durability

Panels are designed for air and water tightness, have a special tenon structure, and utilises fire-resistant mineral wool for thermal efficiency.

### Optimized Energy Efficiency

Optimizing energy efficiency to bring down Power Usage Effectiveness (PUE) rating is the key to cost saving, especially for data centers.

Generally data centers in Malaysia have a PUE rating of 1.4 to 1.8, whereas industry leader like Google achieved PUE rating of 1.06-1.10 by lowering energy consumption, minimizing maintenance and delivering long-term financial benefits to data centers.

Centria panels significantly improve **Power Usage Effectiveness (PUE)** especially for data centers, contributing to reduced energy consumption and cost savings. Studies shown that a PUE reduction of 0.1 can have a saving of approximately RM3500 per rack/year.

## TECHNICAL SPECIFICATIONS

Criteria	Specification
Panel thickness	50mm to 200mm
Panel module width	Stepless module from 300mm – 1,200mm
Panel length	600mm – 12,000mm
Core material	Fire-resistant mineral wool with density of 120kg/m <sup>3</sup> - 140kg/m <sup>3</sup>
Standard reveal	13mm
Thickness of outer metal skin	<ul style="list-style-type: none"> <li>• Skin thickness (for pure surface application): ≥0.8mm</li> <li>• Skin thickness (for embossed or microwaved surface): ≥0.6mm (Steel), Aluminum 0.9mm and above</li> </ul>

\*For comprehensive technical details on DSR-J panels, please refer to the Technical Data Sheet or contact the PGF Global Distribution team. Our support team is dedicated to providing tailored solutions to meet the specific needs of your project.

## PROJECT HIGHLIGHT



DSR-J for RADICI GROUP



DSR-J for Yinglian Metallic



DSR-J for China Mobile Data Center



DSR-J for J&T Baoying Logistics project

## ACCREDITATIONS



BS 476: Part 6: 1989 + A1:2009  
BS 476: Part 7:1997  
Certification No: FL 000219



BS8414-2 Certified

