

# Cladding System Types

## Sealed Systems

(single stage weather proofing)

Designed and installed to be the primary line of defense against air and water infiltration. These systems are typically expected to perform to ASTM E 283 and 331 standards without the use of a secondary weather resistant barrier.

## Rain Screen Systems

(double stage weather proofing)

Designed and installed to shield and shed the majority portions of rain, while relying upon the protected inner layer weather resistive barrier to be the primary air barrier and the final water barrier.

### Wet Sealed

(aka Wet System)

Cladding joints are field sealed with an exposed caulking. MDSI 10 and 40

### Dry Sealed

(aka Dry System)

Cladding joints are sealed with a cured rubber gasket.

### Exposed Rubber Gasket Systems

A rubber gasket is inserted between the panels and left exposed to view. MDSI 42

### Hidden Rubber Gasket Systems

Wiper style gaskets are integrated into interlocking panel perimeter extrusions and hidden from exterior view.

### Secondary Defense Systems

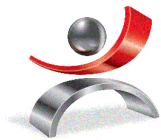
Designed with tight (but not sealed) joints and small air cavities and relies upon the combination of layers to prevent air and water infiltration. MDSI 30 and 60

### Drained and Back Ventilated

Designed to shed and expel water that has entered the air cavity and which are well ventilated to dry residual moisture. MDSI 20, 44 and 80

### Pressure Equalized Systems

This is the highest performing double stage weather proofing. It is designed with intent to prevent water from reaching the weather resistive barrier by eliminating the factors that drive water into the air cavity, primarily the pressure differential. MDSI 25, 70, 72 and 85



**METAL  
DESIGN  
SYSTEMS**

DESIGNED FOR  
A PERFECT FIT.