

WALL SYSTEMS

EXTERNAL METAL CLADDING

2120 series

EXTERNAL COLUMN
COVERING

An ideal solution for external wall covering. Its strong structure is suitable for integrated TV screens, sign boards & speakers. Progressive accessibility. Offered in a wide range of designs, sizes, colors, perforations & finishes.

FEATURES

MATERIAL

Aluminum Alloy as per EN AW 3000 or 5000 series.

Zinc Plated Galvanized Steel G90 grade.

THICKNESS

Aluminum (mm): 1.0–3.0

+ Custom thickness are available upon request

SURFACE FINISH

Plain

Perforated

SIZE

HEIGHT (mm): 300–1500

LENGTH (mm): up to 3000

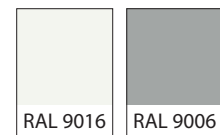
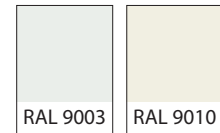
+ Custom sizes are available upon request

COATING

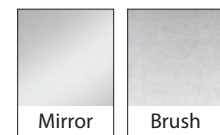
Polyester Powder Coating:
(70μ -80μ)

+ High Performance Coatings like PESDF, PVDF and POLYAMIDE are available upon request.

COLOR / FINISH



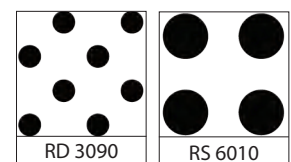
SPECIAL FINISHES



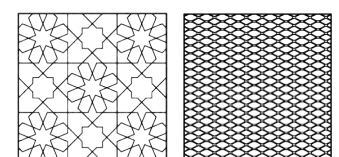
+ See www.rammetal.com for additional colors & special finishes available

+ Special finishes can be provided in lamination, sublimation or coil coating process.

PERFORATION PATTERNS



SURFACE PATTERNS



+ See www.rammetal.com for all other pattern options

DATA / PERFORMANCE



WIND RESISTANCE

Complies with CWCT Sec 1,12:2005
Wind Resistance – Serviceability &
Safety (3600 Pa)

AIR PERMEABILITY

Complies with CWCT Sec 5:2005 Air
Leakage (Test pressure +/- 600 Pa)



LIGHT REFLECTANCE (LR)

Achieved by the metal cladding is
LR – 0.85-0.96 tested as per ASTM
E 1477.



WATER RESISTANCE

Complies with CWCT Sec 6,7:2005
Water Penetration – Static Method
& Dynamic Aero Engine Test (Test
pressure 600 Pa)



IGNITION PERFORMANCE FOR PLASTICS

Complies with ASTM D1929-16
Standard Test Method for Determining
Ignition Temperature of Plastics

* Flash Ignition Temperature - 458 °C

* Self-Ignition Temperature - 458 °C



FIRE PERFORMANCE

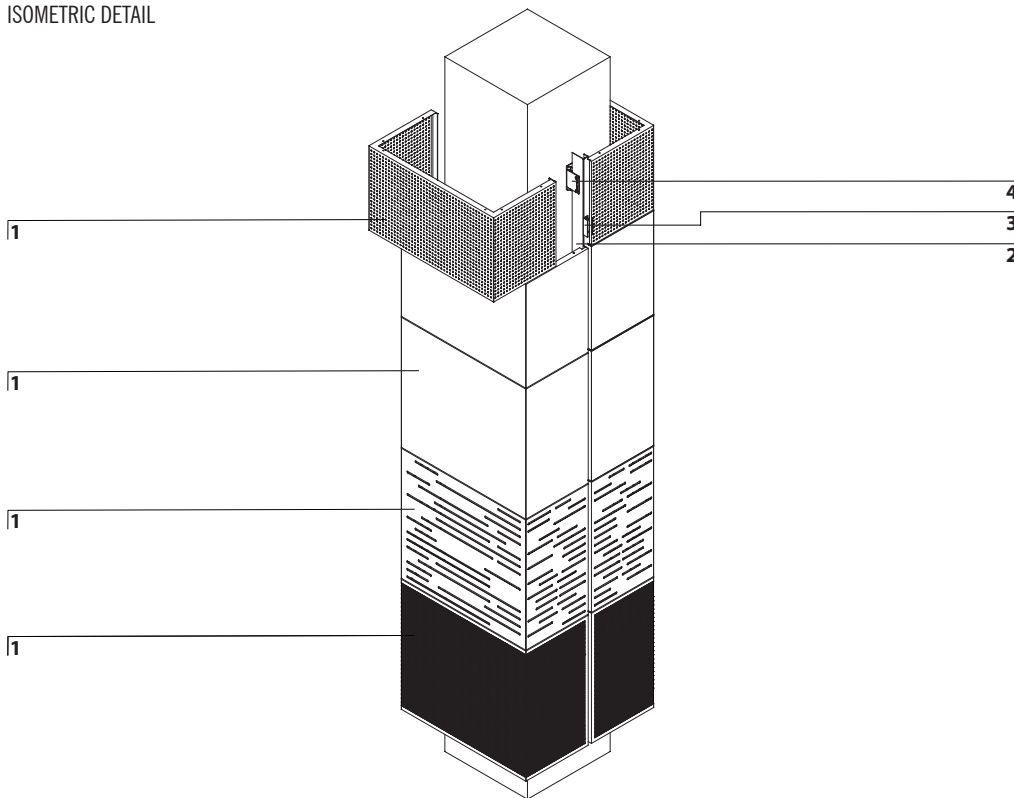
Complies with UNE-EN 13501-1:2007
+A1:2010 Fire classification of
construction products and building
elements - Part 1: Classification using
data from reaction to fire tests (CLASS
A2-S1, d0)

Complies with NFPA 285-2012
Standard Fire Test Method for
Evaluation of Fire Propagation
Characteristics of Exterior Non-Load-
Bearing Wall Assemblies Containing
Combustible Components

RAM 2121 SOLID PLAIN RAM 2122 PERFORATED

RAM 2123 EXPANDED METAL MESH RAM 2124 ARCHITECTURAL FINISH

ISOMETRIC DETAIL

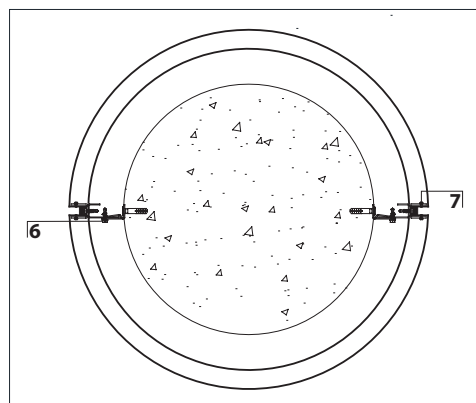
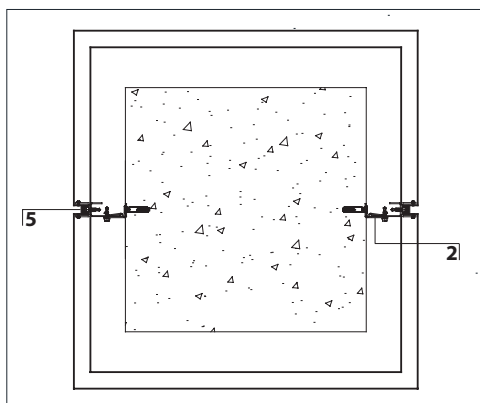


COMPONENTS

- 1 Panel
- 2 J Profile
- 3 L Angle Profile
- 4 Wall Bracket
- 5 Fire Rated Silicone Sealant
- 6 Self Drilling Screw
- 7 Blind Rivet

Custom sizes can be offered

SECTION DETAILS



PANEL JOINTS DETAIL



10, 15 & 20mm GAP