

WALL SYSTEMS

DEMOUNTABLE INTERNAL
METAL CLADDING

2010 series

INTERNAL WALL
COVERING

An ideal solution for internal wall covering. Effective impact protection for high traffic areas. High Acoustic performance. It's strong structure is suitable for integrated TV screens, sign boards & speakers. Progressive accessibility with easy access for services & maintenance without any access tool. Offered in a wide range of designs, sizes, colors & finishes.

FEATURES

MATERIAL

Aluminum Alloy as per EN AW 3000 or 5000 series.

Zinc Plated Galvanized Steel G90 grade.

THICKNESS

Aluminum(mm): 1.0 to 3.0

Galvanized Steel (mm): 0.75 to 2.0

+ Custom thickness are available upon request

SURFACE FINISH

Plain

Perforated

SIZE

HEIGHT (mm): 300–750mm

LENGTH (mm):

RAM 2011, 2012, 2013:

≤ 3000 (Aluminum)

≤ 2000 (Galvanized Steel)

RAM 2014:

≤ 2000 (Galvanized Steel)

+ Custom sizes are available upon request

COATING

Polyester Powder Coating:
(70μ -80μ)

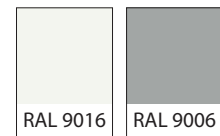
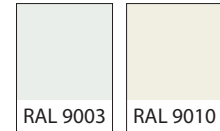
+ High Performance Coatings like PESDF, PVDF and POLYAMIDE are available upon request.

INSULATION

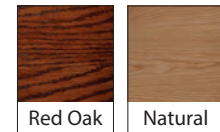
Acoustic Black Fleece is non-flammable and meets the standard DIN 4102 / B1. Classification A1 according to EN 13501-1.

Rockwool slabs conforming to ASTM C612 and equivalent BS 3958-5 are provided for acoustic insulation.

COLOR / FINISH



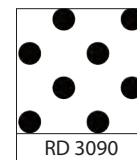
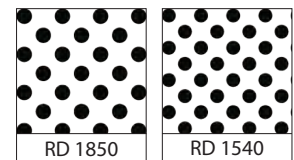
SPECIAL FINISHES



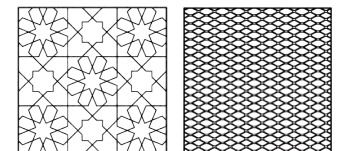
+ See page www.rammetal.com for additional colors & special finishes available

+ 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



ACOUSTICS
Tested as per BS EN ISO 354: 2003 for sound absorption, noise reduction and sound attenuation.

NRC achieved with Acoustic Black fleece – NRC 0.75

NRC achieved with Acoustic Black Fleece and Rockwool Insulation – NRC 1.00



ANTI BACTERIAL COATING
Tested as per JIS Z 2801: 2000, which inhibits the growth of bacteria on the applied surface.



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



FIRE PERFORMANCE
Surface Spread of flame Class 1 tested as per BS 476: Part 7: 1997
“Non-Combustible” Material tested as per BS 476: Part4: 1970

Flame Spread and Smoke Development Index tested as per ASTM E84 (Class 1 or A)



SOFT BODY IMPACT TEST
Tested as per CWCT 75/76 - Impact performance of building envelopes.

Soft body test energy exposure category B

Serviceability - Class 1 (Impact energy 120 J)

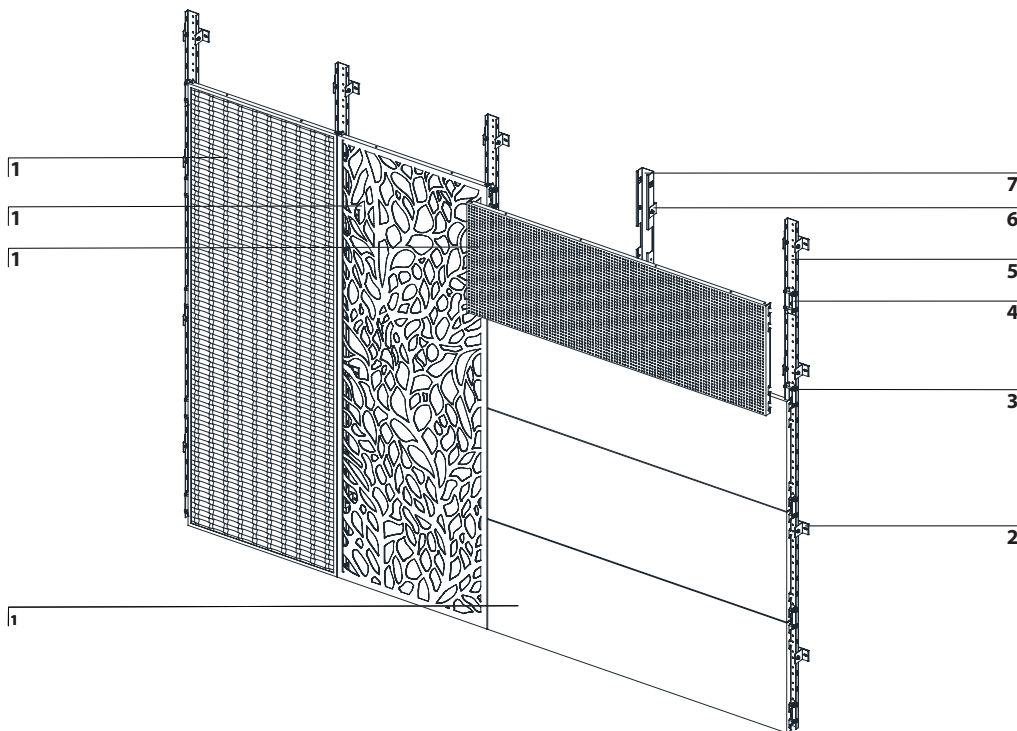
Safety performance - Negligible risk (Impact energy 500 J)



ANTI DRUMMING
High performance sound deadening and reduced vibrations (resonance)

RAM 2011 SOLID PLAIN RAM 2012 PERFORATED RAM 2013 EXPANDED METAL MESH RAM 2014 ARCHITECTURAL FINISH

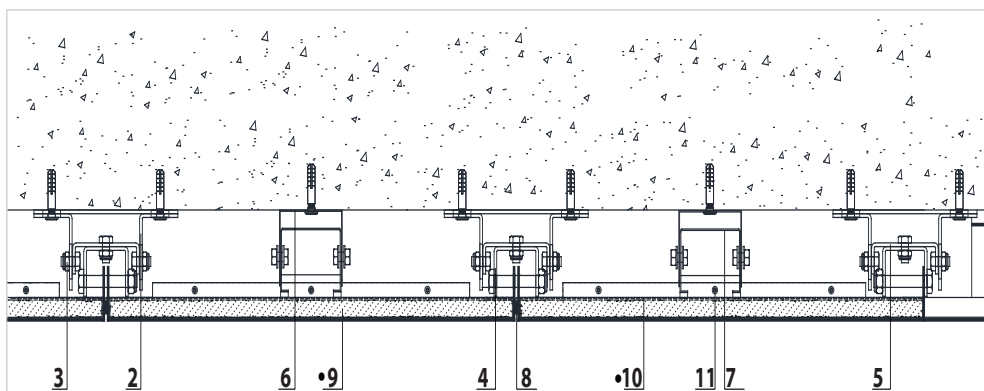
ISOMETRIC DETAIL



COMPONENTS

- 1 Panel
- 2 Omega Profile
- 3 Bolts & Nuts
- 4 Carrier Bracket
- 5 Adjustable C Channel
- 6 Reinforcement Bracket
- 7 Reinforcement Channel
- 8 Self-Adhesive Seal
- 9 Backing Board •
- 10 Backing Panel •
- 11 Blind Rivet
- 12 Rockwool •

SECTION DETAIL



PANEL JOINT DETAIL

