

WALL SYSTEMS

DEMOUNTABLE INTERNAL  
METAL CLADDING

# 2020 series

## INTERNAL COLUMN COVERING

An ideal solution for internal wall covering. Effective impact protection for high traffic areas. It's strong structure is suitable for integrated TV screens, sign boards & speakers. Progressive accessibility. 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): 300-750

LENGTH (mm):

RAM 2021 , 2022 , 2023:

≤ 3000 (Aluminum)

≤ 2000 (Galvanized Steel)

RAM 2024:

≤ 2000 (Galvanized Steel)

+ Custom sizes are available upon request

#### COATING

Polyester Powder Coating:  
(70μ -80μ)

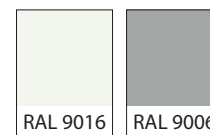
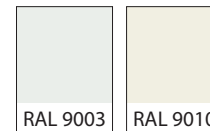
+ High Performance Coatings like PESDF, PVDF and POLYAMIDE are available upon request.

#### INSULATION

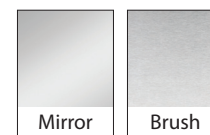
**Acoustic Black Fleece** is non-flammable and meets the standard DIN 4102 / B1. Classification A1 according to EN 13501-1.

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

#### COLOR / FINISH



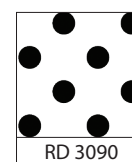
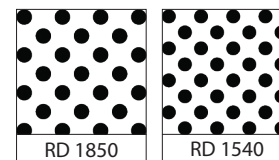
#### SPECIAL FINISHES



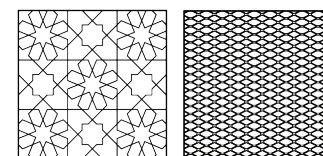
+ See [www.dorsoram.com](http://www.dorsoram.com) for additional colors & special finishes available

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

#### PERFORATION PATTERNS



#### SURFACE PATTERNS



+ See [www.dorsoram.com](http://www.dorsoram.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.

Maximum NRC achieved with Acoustic Black fleece – NRC 0.75

Maximum 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



### 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)

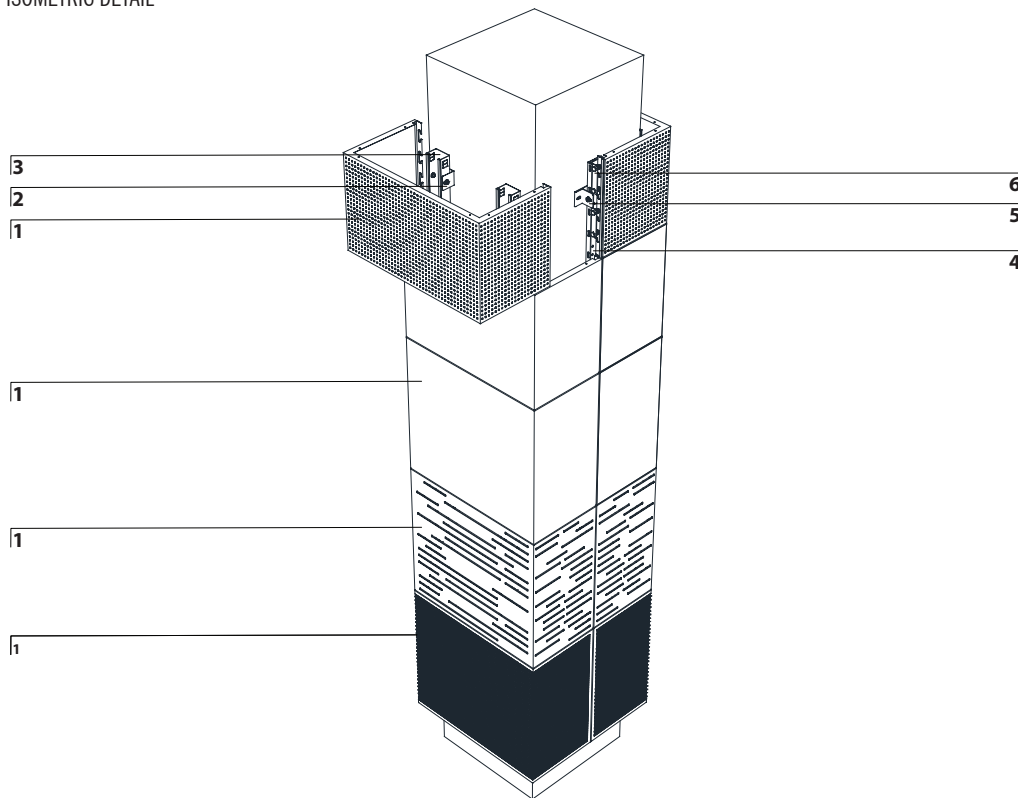


### ANTI DRUMMING

High performance sound deadening and reduced vibrations (resonance)

## RAM 2021 SOLID PLAIN RAM 2022 PERFORATED RAM 2023 EXPANDED METAL MESH RAM 2024 ARCHITECTURAL FINISH

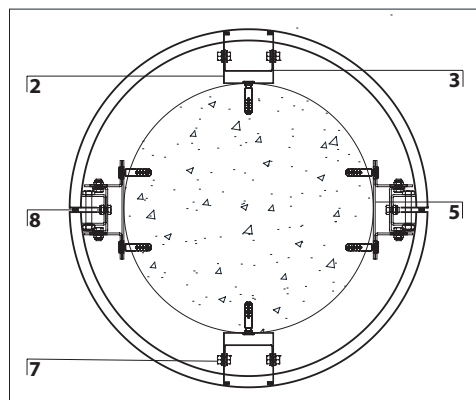
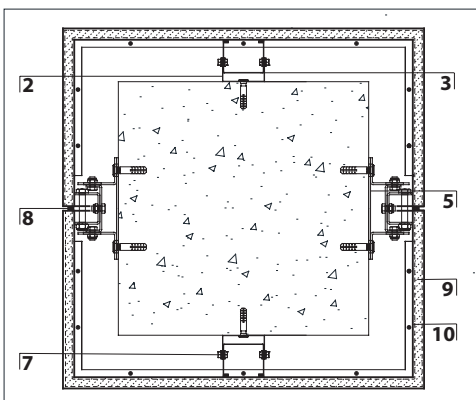
### ISOMETRIC DETAIL



### COMPONENTS

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

### SECTION DETAILS



### PANEL JOINTS DETAIL

