

CEILING SYSTEMS
FIRE RATED

720 series

F120



Concealed fire rated ceiling panels with spring action latch lock on beam profile. An ideal solution for integrating ceiling with demountable partition, hanging & support for light (weight) signs & multimedia materials. For use in airports, universities & office buildings. Fire resistance performance exceed to 2 hours. High acoustic performance of sound absorption as well as tested with high CAC 51db sound transmission. Fully demountable with downward accessibility using panel removal access key tool. Offered in a wide range of sizes, colors & finishes.

FEATURES

MATERIAL

Zinc Plated Galvanized Steel G90 grade.

THICKNESS

Galvanized Steel

PANELS (mm)

45mm

BEAMS (mm)

1.00mm

+ Custom thickness are available upon request

SURFACE FINISH

Plain
Perforated
Decorative Patterns

SIZE

TYPE
concealed

PANEL JOINT DETAIL
Square

DIMENSIONS (mm)
600x600/750x750/900x900/1000x1000/
1200x1200/1500x1500

+ Custom sizes are available upon request

COATING

Polyester Coating: ((5μ (Back) + 20μ (Face))

Polyester Powder Coating: (70μ -80μ)

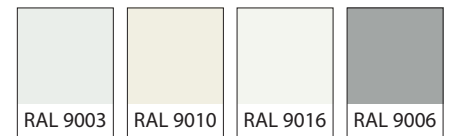
+ High Performance Coatings like PESDF, PVDF and POLYAMIDE are available upon request.

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.

COLORS



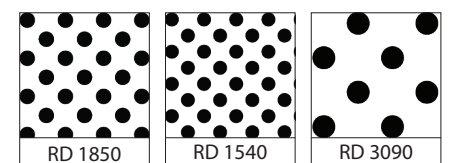
SPECIAL FINISHES



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

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

PERFORATION PATTERNS



+ See www.dorsoram.com for all available 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

Tested as per ASTM E1414-11a for Airborne Sound Attenuation as per ISO 10848-2.

CAC can achieved up to – 48 dB

Perforated & Sound Attenuation cover



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 ceiling is LR – 0.85-0.96 tested as per ASTM E 1477.

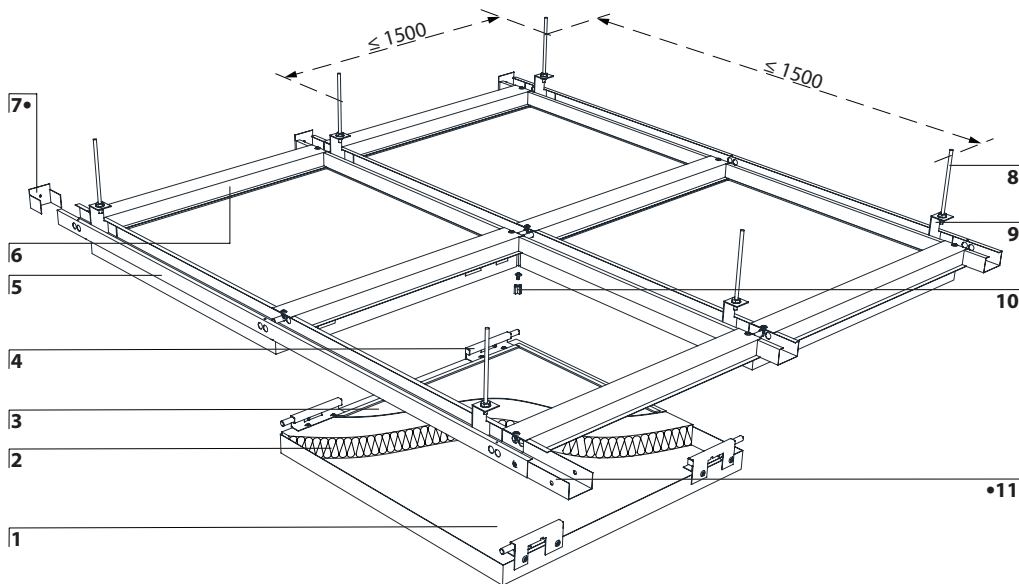


FIRE RESISTANCE

Fire Rated up to 132 minutes tested as per BS476: Part 23: 1987.

RAM 721 F120

ISOMETRIC DETAIL



COMPONENTS

- 1 Panel
- 2 Rockwool Infill
- 3 Sound Attenuation Panel
- 4 Spring Action Latch Lock
- 5 Main Beam Channel
- 6 Cross Beam Channel
- 7 Wall End Bracket •
- 8 Threaded Rod
- 9 Hanging Bracket
- 10 Cross Spacer
- 11 B Splice •
- 12 Self-Adhesive Seal
- 13 Anti-Vibration Clip (TR) •
- 14 Wall Trim
- 15 Wall End Bracket

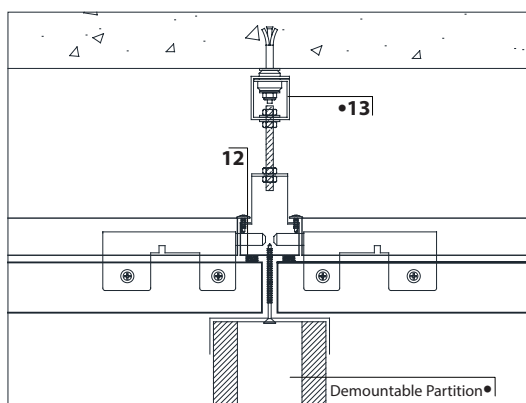
• Optional

Custom sizes can be offered

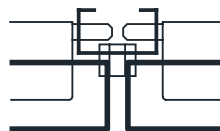


Fire Resistant •

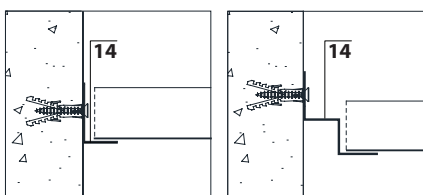
SECTION DETAIL



PANEL JOINT DETAIL



PERIMETER OPTIONS



WALL END BRACKET DETAIL

