



mada
gypsum
مدى للجبس

MADA PLUS SYSTEMS

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Part Of

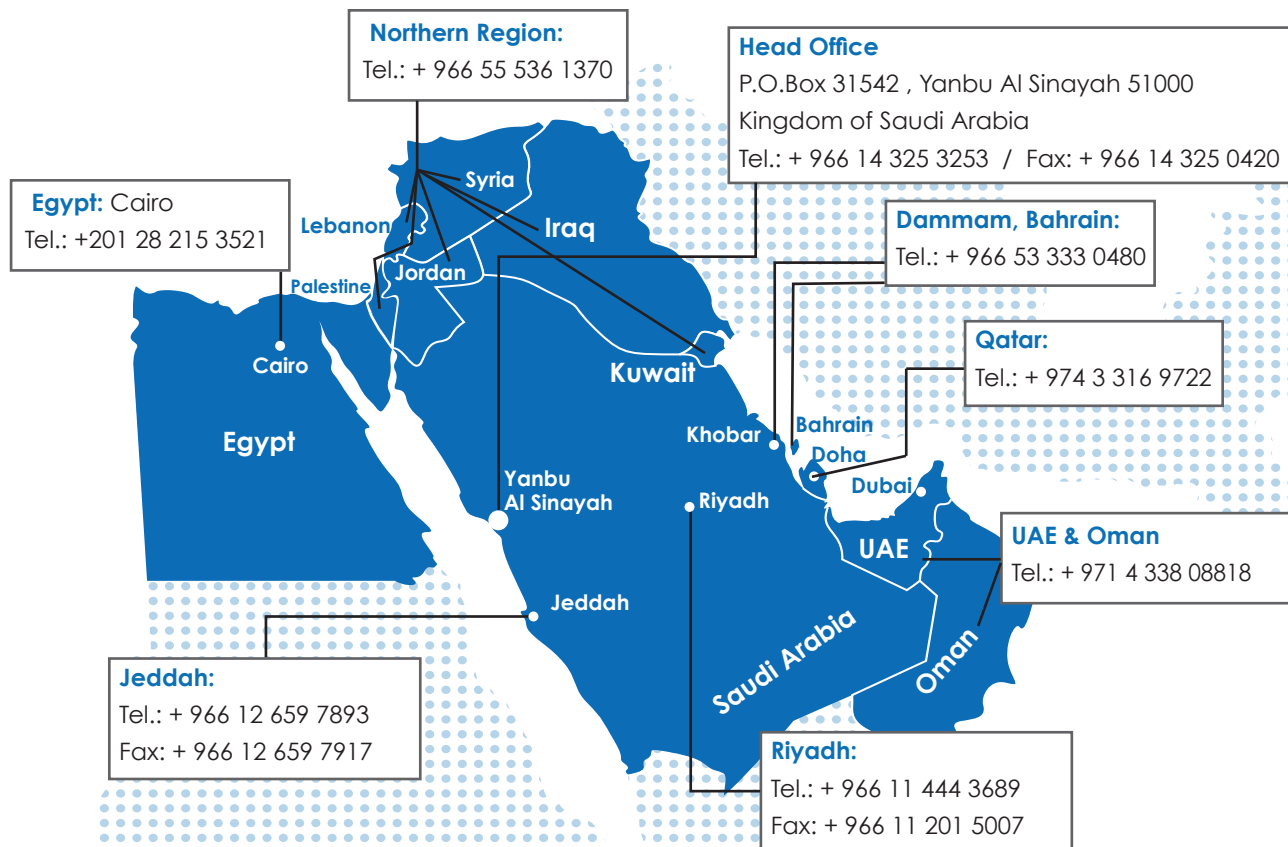


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ALRAJHI HOLDING

OUR BRANCHES

Sales & Marketing Office In Saudi Arabia & Middle East



www.madagypsum.com

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MADA GYPSUM COMPANY

The Company was established in 2005 in Yanbu and produces its products according to the international standards EN and ASTM. The production capacity is 400,000 t of plasters and 34 million m2 of plasterboard, more than 7.5 million m2 of Laminated gypsum Ceiling Tiles and more than 2 million m2 of cement boards.

This makes MGC the biggest plasterboard producer in KSA. With its product mix and approach to the market, Dry Wall Academy for market education, first system solution for Dry Wall Systems, Mada Gypsum has become a market leader in the MENA region.



WHY MADA GYPSUM?

- ▶ ISO certified
- ▶ World Class manufacturing processes
- ▶ Latest state of the art process equipment from Gyptech and Grelbex
- ▶ Quality control system
- ▶ In-house laboratory
- ▶ Production according to ASTM and EN standards
- ▶ Third party laboratories certificates
- ▶ Best gypsum product mix in GCC
- ▶ Own gypsum rock quarry for best raw material quality control
- ▶ Sustainable raw materials and input materials quality control
- ▶ Technical literature to support consultants, architects and specifiers.
- ▶ On-site technical support
- ▶ Specification (drawings) of solution based on customers need

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MADA GYPSUM PRODUCTS

► Plasterboards

Regular
Fire Resistant
Moisture Resistant
Fire & Moisture Resistant
Impact Resistant
Shaft Board
Acoustical

► Plasters

French molding plaster
Standard plaster
French adhesive

► Renders

Thin Coat Render
Hand applied gypsum Render
Machine Render

► Jointing Compound

Ready mixed multiuse Jointing Compound

► PVC facing Gypsum Ceiling Tiles

► PROCEM

Why Mada Plus SYSTEMS?

- Complete range of drywall solutions
- Standard as well as customizable systems
- Strong technical team for pre/post sales services
- Onsite training for applicators
- Tested and certified by leading 3rd party laboratories
- 10 years system warranty
- Own plasterboard recycling facility giving additional LEED rating for projects



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MADA PLUS SYSTEMS BENEFITS

Guaranteed System Performance

- ▣ Mada Plus systems are tested at intentionally reputed 3rd party laboratories for Fire & Acoustics performance thus offering proven performance to the customer. MGC offers 10 years warranty for all its products and system performance.

Wide Area of Application

- ▣ Mada Plus systems cover wide area of application including hotels, educational & commercial facilities, recreational centers among others thus offering something for all needs.

Customized Systems

- ▣ In addition to standard applications, Mada's strong specification engineering team can work with the designers and architects of specific projects to offer systems suiting specific needs of a particular projects.

On Site Technical Support

- ▣ For selected locations Mada can provide onsite technical support to teach the applicators for correct application of dry wall partition to achieve system performance.

Recycling Facility

- ▣ Mada Gypsum Company has its own recycling facility for Plasterboard, thus offering projects additional opportunity to gain LEED points.



Single source of supply

- ▣ Mada Plus Systems helps drywall contractors source their complete requirement from a single source, thereby considerably reducing the complexity involved in projects. In addition, Mada ensures that different components that goes in the systems are compatible to each other, thereby ensuring performance, integrity, and longevity of the system.

Technical literature

- ▣ Mada Plus Systems are supported by several technical literatures (system book, system selector, installation manuals etc.) to help the project identify the right system as well as correct method of application. In addition, a wide range of typical drawings are made available to easily integrate Mada Plus Systems within the overall project masterplan.

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MADA PLUS SYSTEMS

Mada Plus drywall systems are non-load bearing, light in weight and easy to install. Comprising of plasterboards/cement boards screw-fixed on either side of light gauge metal structures (Tracks and Studs), sealed with joint tapes and other insulators and filled to get even smooth and homogenous surface.

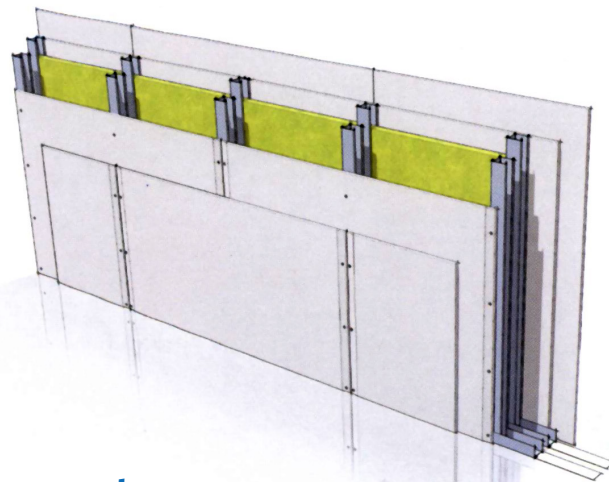
Mada Plus drywall systems are offered as both standard off the shelf requirements, and tailor made according to the specifications of the project.

* Performance Aspects to consider while choosing a system

- * Wall Dimensions (HxWxL)
- * Fire resistance
- * Acoustical resistance
- * Impact resistance
- * Mold resistance

* Performance

-  Fire protection – up to 3 hrs
-  Sound Insulation – up to 65 dB
-  Impact Rating



Advantages of a closed system against open systems

Acquiring all segments of a complete system from a single source (Closed Systems) guarantees the effectiveness of the system, and ensures the performance of the dry-walls as per the required standards since it was pre-tested by international laboratories around the world.

What does the Mada system include?

Framing	Wall Profiles	Ceiling Profiles	Shaft wall profiles	
Boards	Plasterboards	Cement Boards		
Accessories	Screws	Anchors	Sealant	Insulation, etc.
Finishing	Renders	Plasters	Joint Tape	Jointing Compound

Our products are tested/certified by world renowned testing agencies



Intertek



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SYSTEM SELECTOR

Mada Systems		Mada Code	Housing	Education	Office / Commercial	Hospital / Health Care	Hotel	High Rise	Leisure	Industrial
Walls	Single Stud - Single Lined	MW 11	✓	✓	✓	✓	+	+	+	✓
	Single Stud - Double Lined	MW 12	+	✓	✓	✓	✓	✓	✓	✓
	Single Stud - Triple Lined	MW 13	○	○	+	+	○	✓	+	✓
	Double Stud	MWD 22	✓	✓	✓	✓	✓	✓	✓	+
	Double Stud Interconnected (bracing)	MWI 22	○	✓	✓	✓	○	✓	✓	✓
Wall Linings	Free Standing - Single Lined	MLF 11	✓	+	+	○	○	✓	○	+
	Free Standing - Double Lined	MLF 12	○	✓	✓	✓	✓	✓	✓	✓
	Fixed to masonry by clips - Single Lined	MLX 11	✓	+	✓	○	○	✓	○	+
	Fixed to masonry by clips Double Lined	MLX 12	✓	✓	✓	✓	✓	✓	✓	✓
	Fixed to masonry by Adhesive	MLX 01	✓	○	○	○	○	○	+	+
Shaft walls	Room Side - Single Lined	MS 12	✓	+	+	○	○	✓	+	✓
	Room Side - Double Lined	MS 13	○	✓	✓	✓	✓	✓	✓	✓
Suspended Ceiling	Single Lined	MC 21	✓	+	✓	✓	✓	✓	✓	✓
	Double Lined	MC 22	○	✓	✓	✓	✓	✓	✓	✓

Key

✓	Best Suited
+	Optimal
○	Optional

System Testing Mada Plus drywall systems are tested by accredited 3rd party international labs to substantiate their performance. The resulting range of Mada dry-wall systems will satisfy the wide range of Fire, Acoustic, Mechanical and/or Environmental demands that may be specified.

System Warranty Mada Gypsum Company (MGC) manufactures under a quality system certified as complying with ISO 9001:2008, Quality Management Systems, by an accredited certification body. MGC supplies products that complies with the relevant ASTM and/or EN Standards and is warranted to be free from defects in material or manufacture for a period of 10 years from the day of purchase.

Our products are tested/certified by world renowned testing agencies



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PERFORMANCE CONSIDERATIONS:

1. Fire

The consequences of a fire occurring in a building can lead to serious loss of life and property. It is therefore essential that adequate consideration is given to fire safety requirements and the provision of fire protection measures. In order to safeguard life and property, it is important that the correct level of fire resistance is incorporated in the overall design of buildings. Individual elements of construction should be specified so as to minimize contribution to fire growth. Spread of fire within a building occurs as a result of fire exploiting any existing weaknesses or by burning through or conducting heat through the construction. Fire, smoke and hot gases can also spread throughout a building by various routes such as stairways, lifts, escalators, corridors, installation shafts, ducts and other cavities. The choice of building materials and how they are used to provide the required level of passive fire control depends on two factors - their “reaction to fire” and their “fire resistance”.

1.1 Reaction to fire

Reaction to fire of a given material is an attribute expressing the behavior when the material is exposed to fire. Reaction to fire is important in determining whether a fire is likely to start and/or how it will develop. This encompasses series of properties: ease of ignition, spread of flame, evolution of smoke and toxic gases, and heat release rate of the burning material.

1.2 Fire resistance

The Fire resistance relates to integrity and heat insulation of individual building elements. For load bearing elements there is the additional requirement of load bearing capacity. In essence, the aim is to restrict the passage of fire from one space to another and prevent collapse. It is important that only those elements proved by fire testing to meet the specified level of fire protection are used for the purpose. It is particularly important that any construction used to protect escape and fire access routes has the necessary fire resistance

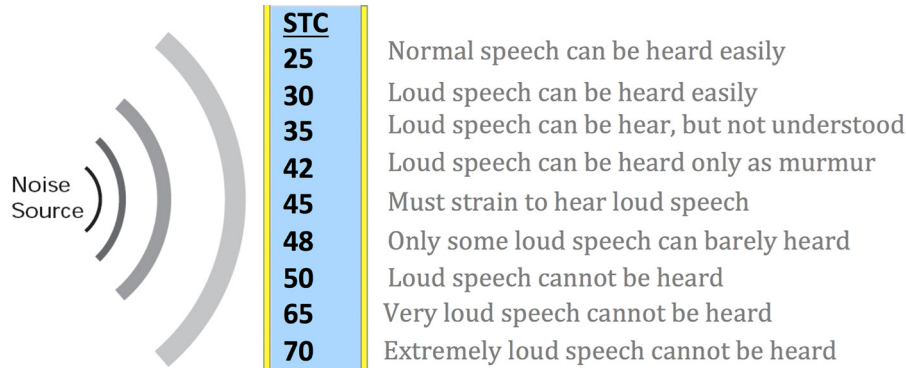
2. Acoustic

Acoustic insulation is the term describing the reduction of sound that passes between two spaces separated by a dividing element. In transmitting between two spaces, the sound energy may pass through the dividing element (direct transmission) and through the surrounding structures (indirect or flanking transmission). In designing for Acoustic insulation, it is important to consider both methods of transmission. The walls or floors, which flank the dividing element, constitute the main paths for flanking transmission, but this can also occur at windows, heating or ventilation ducts, doorways, etc.

For these reasons it is unlikely that figures quoted from laboratory test conditions will be achieved in practice on site.

The Building regulation requirements regarding the sound insulation of walls and partitions relate to the transmission of airborne sounds. These include speech, musical instruments, loudspeakers and other sounds that originate in and are transmitted through the air.

WHAT DOES STC RATING MEANS ?



The different requirements apply to different projects. The table shows some examples of usual partition wall sound insulation performance that is generally taken as satisfactory:

Typical application	Minimum required Acoustic insulation STC (dB)
Housing – internal partition wall	42
Housing – wall between dwellings	52
Office – wall between offices	45
Office – wall between offices (high requirement)	50
Hospital – wall between rooms	55
Hotel – wall between guest rooms	55
Hotel – wall between guest room and corridor	50
School – wall between classrooms	55

The sound insulation values quoted in system performance tables are laboratory values and the practicalities of construction will mean that acoustic performances measured in the laboratory will be difficult to achieve on site.

One of the main reasons for this difference is the loss of acoustic performance via flanking transmission paths. It is therefore imperative that flanking transmission is considered at the design stage and construction detailing is specified so as to eliminate or at least to minimize any downgrading of the acoustic performance. Good detailing at the design stage will minimize this effect and optimize the overall levels of acoustic performance.

Small openings such as gaps, cracks or holes will conduct airborne sounds and can significantly reduce the sound insulation of a construction. For optimum sound insulation a construction must be airtight. Most gaps can be sealed at the finishing stage of the installation using jointing compound. Small gaps or air paths can be sealed with the elastic Sealants.

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2. COMPONENTS FOR BOARD SYSTEMS

Mada Plasterboards

Mada Plus Plasterboards are produced from high purity natural gypsum core with some additives encased in closely adhering best selected paper linings of different types. Mada Plasterboards are complying with ASTM C1396 & EN 520 standard.

Mada Plus Regular

Laminated with ivory paper lining on board face & grey paper on the back. Ideally used in standard systems in regular conditions.



Mada Plus Fire Resistant

Laminated with pink paper on board face & grey paper on the back. It is specially designed to be used for systems with high requirements for fire resistance.



Mada Plus Moisture Resistant

Laminated with green paper on face & grey paper on the back. It is specially designed to perform in the interiors with high humidity.



Mada Plus Fire & Moisture Resistant

Laminated with green paper on face & grey paper on the back. It is high performance plasterboard designed to perform in the interiors with high humidity and high requirements for fire resistance.



Mada Plus Shaft board

Laminated with green paper on board face & grey paper on the back. It is a special high performance Plasterboard with superior fire resistance properties for the use in shaft wall systems.



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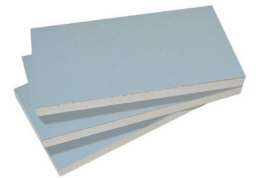
Mada Plus Impact Resistant

Laminated with yellow paper lining on board face & grey paper on the back. It is high performance special plasterboard designed for systems for high impact resistance.



Mada Plus Acoustic Board

Laminated with blue paper lining on board face & grey paper on the back. It is special Plasterboard formulated to achieve high performance in sound insulation systems.



Mada PROCEM cement board

Mada PROCEM is a light weight cement board composed of Portland cement, light aggregate material and silica sand. The board acquires the physical properties, durability and strength of cement and easy workability. It is 15% lighter than other type of cement board.



Mada Metal Profile for Drywall & Ceiling Framing

Mada Metal Profile is produced from cold rolled steel coils. The steel coils are hot dip galvanized using coating of Z 180 to Z 275 depending upon application. Mada Metal Profile is complying to ASTM C 645.

Mada Wall Stud

Mada Wall Stud is used as the vertical member of the partition system with a friction fit between the bottom and top tracks. Mada's Wall Stud features knurled faces and reinforcing ribs along the stud design. The ribs provide added strength, are less prone to twist and creating «high-shoulders» when finishing Plasterboard.



Mada Wall Track

Mada Wall Track is used at the floor and soffit to support the wall studs. Mada's Wall Track features knurled faces which is the pattern of small ridges formed on the Wall Track to prevent screws from slipping and damaging the board, without compromising the strength or thickness of the steel

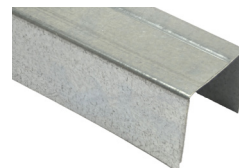


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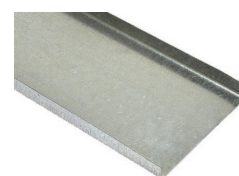
Mada Deep Flange Wall Track / Deflection Head Track

Mada Deflection head Track are used at the soffit to support the wall studs. Mada's Deflection track features knurled faces which is the pattern of small ridges formed on the Wall Track to prevent screws from slipping and damaging the board, without compromising the strength or thickness of the steel



Mada Fixing Channel

Mada Fixing Channel is primarily used to cover up the horizontal cut joints of Plasterboards. It is also used for brazing twin frame wall system. In addition it is also used to support medium to heavy weight fixtures.



Mada Shaft Wall Stud CH

Mada CH Stud is used to form the vertical elements of a shaft wall structure braced into horizontal head and bottom J-Tracks. The CH Studs are designed to provide friction-fit contact for 25 mm Shaft Board as shaft liner.



Mada Shaft Wall Stud E

Mada E Stud is used for starter stud, intersection, door opening and end studs. A 25 mm gap between the flanges allows friction-fit contact for the 25 mm Shaft Board as shaft liner.



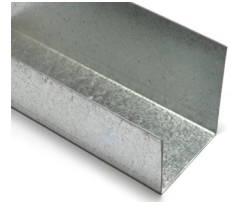
Mada Shaft Wall Track J

Mada J Track is forming the Horizontal element of a shaft wall structure into which the vertical CH-Studs and E-Studs are fixed.



Mada Deep Flange Shaft Wall Track J / J Deflection Head Track

Mada J Deflection Track is forming the Horizontal element of a shaft wall structure into which the vertical CH-Studs and E-Studs are fixed. It provides a friction fit for the stud and also provide a slip joint to allow any movement of the structure. It is positioned at the top to guide CH-Studs.



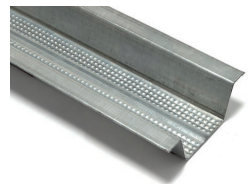
Mada Main Channel

Mada Main Channel forms the primary frame of the drywall ceiling framework. It is suspended from the ceiling roof using hooked wire, adjustment clip or rigid hangers.



Mada Furring Channel

Mada Furring channel is designed for furr-out any surface for application of final finish. It forms the secondary frame of the drywall ceiling framework.



Mada Wall Angle

Mada Wall angle forms the periphery of the drywall ceiling framework. It is fixed to the wall with the help of anchors & serves as support for intermediate channels.



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Mada Drywall Screws

Mada provides a complete range of drywall screws for the fixing of the Plasterboard with the metal framing. Mada Screws are produced from hardened steel complying with ASTM C 1002-98.

Mada Self Tapping Screw

Mada Self Tapping bugle head screws have the ability to advance while creating its own thread. It is used for fastening drywall and other accessories mounting on steel structures below 0.8mm thickness.



Mada Self Drilling Screw

Mada Self Drilling bugle head screws also known as Tek screws; eradicate the need for a pre-drilled hole and allow drilling and tie to be done in the same motion. It is used for fastening drywall and other accessories mounting on steel structures from 0.8mm up to 3.0mm thick



Mada PROCEM Self Drilling Screw

Mada PROCEM Self Drilling screws are special corrosion protected screws with countersunk head and ribs under head for fixing of Mada PROCEM cement boards to the metal framing.



Mada Wafer Head Screw

Mada Wafer Head Screws are used for fixing together metal framing members



Mada Hex Head Self Drill Screw

Mada Hex Head Self Drill Screws are used to fasten metal to metal or metal to other accessories from 0.8mm to 3.0mm thickness. It has excellent tensile strength,



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Anchors

Mada provides a complete range of drywall anchors for the fixing of metal framing to floors and slabs.

Wedge Anchors

Wedge anchors are made from galvanized steel and have multiple uses in non structural cracked and uncracked concrete. They are specially used for fixing hangers, brackets, and all kinds of drywall profiles to concrete slab where high work load, safety and rigidity of the installation is required.



Shure Drive Anchor

Shure Drive Anchor is an all metal, light duty, impact setting anchor designed for tamper resistance use in variety of substrate such as concrete, solid brick, solid block, hollow block and hollow slab.



Drop in Anchor

The DynaSet™ Drop-In Anchor is an all steel, medium duty, displacement setting, expansion anchor designed to provide a permanent anchorage point in concrete. Its internal thread allows it to be used with both machine bolts and threaded rod, placing no restrictions on fixture thickness.



Trubolt Anchor

Trubolt Stud Anchor is a true-to-size, heavy duty, torque controlled expansion anchor, for permanent anchoring into concrete.



Hollow Wall Anchor

Hollow Wall Anchor is a zinc plated metal fixing with metric screw for fixing directly into the board lining of the wall and / or ceiling. The screw can be removed and refitted again.



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Driva Anchor

Driva Anchor is used for screwing without pre-drilling, directly in to the Plasterboard wall lining.



Metal Folding Anchor

Metal Folding Anchor is zinc plated metal fixing with metric screw for fixing directly into the board lining of the ceiling. It is suitable for overhead application.



Plastic Nail Plug

Plastic Nail Plug is a non-load bearing hammering fixing of the perimeter Tracks and Studs to the solid background (concrete, masonry)



Mada Accessories

Mada Fiber Joint Tape

Fiber joint tape is composed of twisted strands of fiber glass woven at right angles to one another for reinforcing drywall joints. It is suitable for Hand or Mechanical application with Mada's Jointing Compound.



Foam Seal Strip

A self-adhesive sealing stripe used as the seal between the perimeter wall studs & wall tracks and background to break flanking sound transmission



Backing Rod

Backing Rod is a round foam rod primarily used as a backing strip for the expansion joints or as gap filler for any open joints so caulking can be applied to finish filling the void and create air-tight, water-tight seal.



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Mada Fire Guard Sealant

Mada Fire Guard sealant is developed for use as a joint seal in drywall systems and through penetration fire stop systems. As an acrylic based caulk with a tenacious bond regardless of porosity, it is easy to use on virtually any job. Mada Fire Guard Sealant has a long shelf life and good open time. It can be applied with all commonly available hand-gun equipment.



Mada PROCEM Hygienic Sealant

Mada PROCEM Hygienic Sealant is a multipurpose sealant with good adhesion and elasticity, less shrinkage, durability and weathering, water and chemical resistance (mild chemical). It is easy to use, can be painted and also contains antimicrobial protection to inhibit the growth of stain caused by mold and mildew.



Mada Jointing Compound

Mada Jointing Compound contains vinyl binders and other ingredients that provide performance superior to that of ordinary ready mix products, blended to creamy smooth consistency. It gives excellent slip and bond and ease workability. It can be used directly from the pail and require minimal mixing thinning and re-tempering.



Mada PROCEM Cement Jointing Compound

Mada PROCEM Cement Jointing Compound is a 2 component high adhesion, high flexibility Jointing material of which part A is a powder based on special cement & part B is a liquid based on acrylic polymer, fiber and special additives. It is used for jointing and finishing of Mada PROCEM cement board.



Mada French Adhesive

Mada French Adhesive is a special gypsum product for interiors and exteriors. It is used for adhering of decorations and cornices to the wall and for special cladded walls where Plasterboard is directly glued to the walls.



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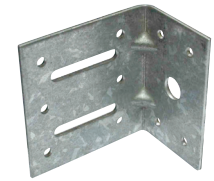
Mada L Bracket

Mada L Bracket is used at the floor and soffit to support the wall studs. It is a simple rigid structure in the form of an L, with one arm fixed to a vertical (Wall Stud) surface, and other projecting horizontally fixed to the support such as wall, ceiling or slab.



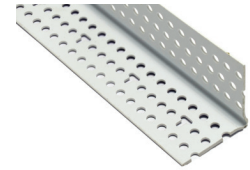
Mada Slotted L Bracket

Mada Slotted L Bracket is typically used to transfer loads in external wall situation where deflection allowance is needed. It is required as the higher external wall pressures would cause a standard wall stud / wall track connection to be overloaded.



External Corner Beads

Mada external corner beads are used to straight, durable, corrosion and impact resistant protection to the edges and corners of dry-wall systems. It is concealed with Mada multi-purpose joint compound to deliver a smooth finished corner.



Casing Bead

Mada Casing Bead are squared corner beads that fit firmly over the edge of the plasterboard for protection against impact. A range of casing beads are available to fit different plasterboard thicknesses.



Shadow Gap Angle Bead

Mada shadow gap angle bead provides straight and neat finishing details for internal corners of the dry wall system.



Control / Expansion Joint Bead

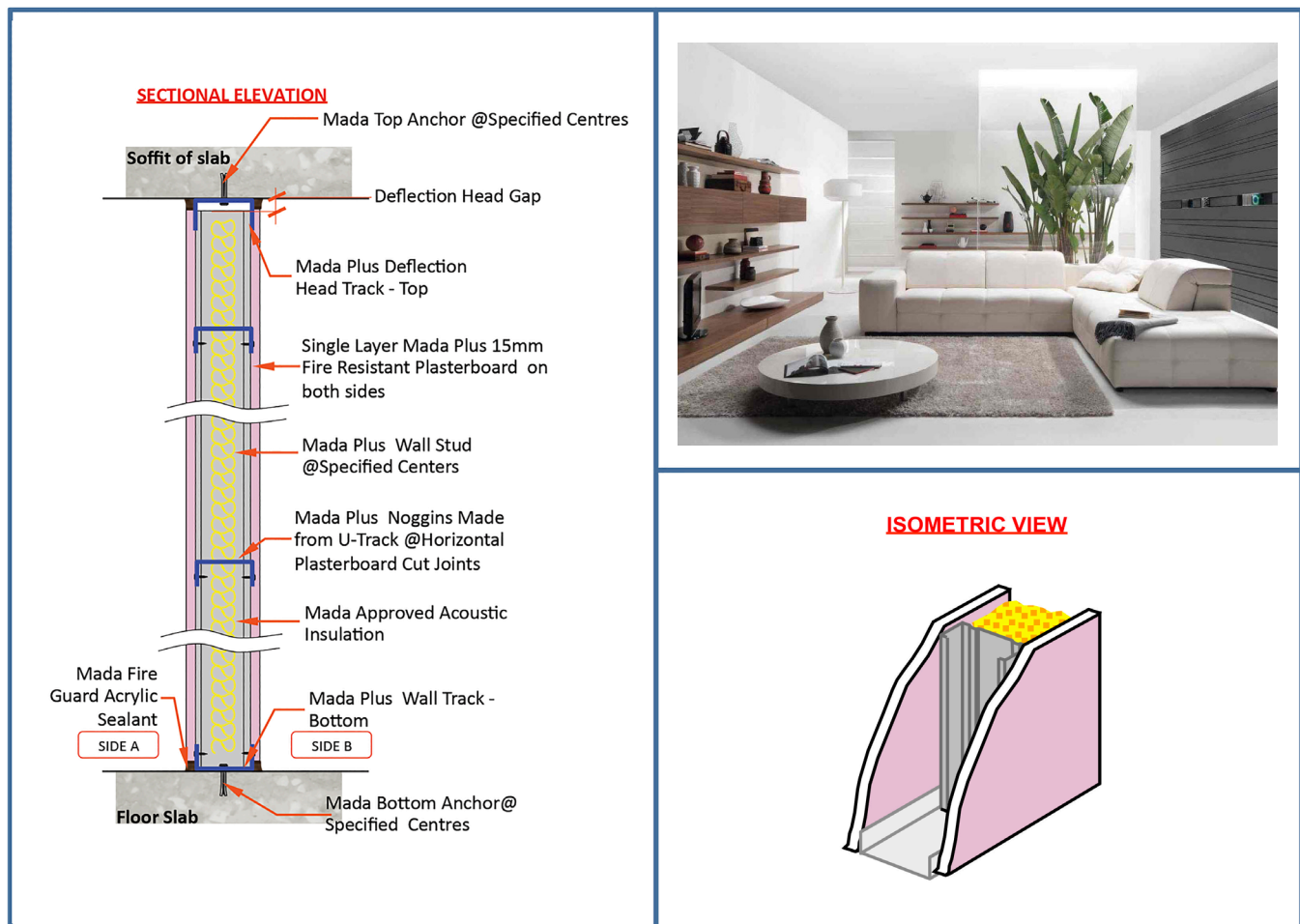
Mada control / expansion joint bead is used for areas where there is a long continuous wall (> 8 m). It is used to prevent the cracks which can occur through the expansion and contraction of material due the variation in temperature, moisture etc.





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STANDARD 1 HOUR FIRE RATED PARTITION SYSTEM



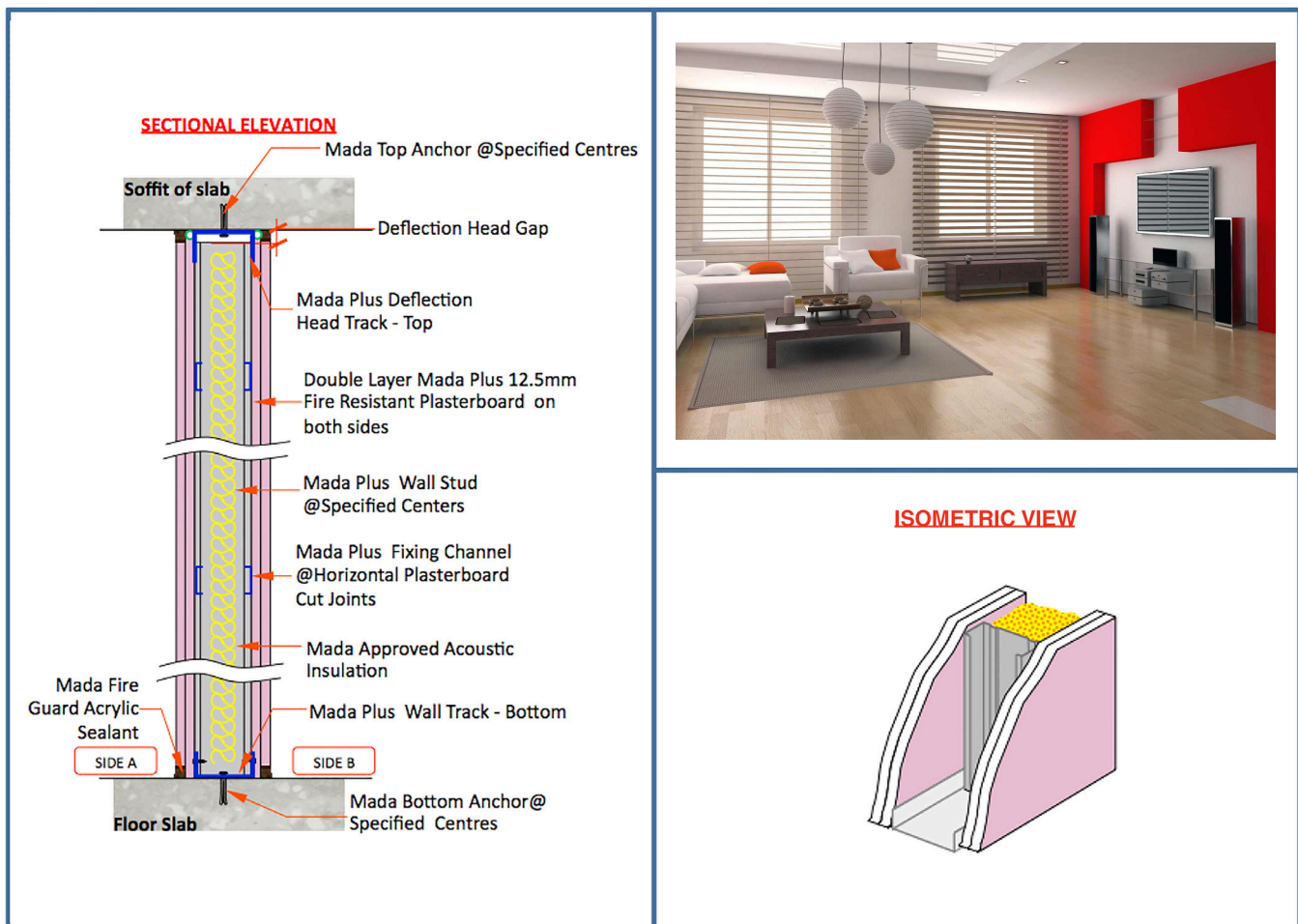
System Performance Criteria

Description	Standards	Mada's Rating
Fire Rating	E 119	1 Hour
Acoustic Rating (STC)	E 90	42
Wall Thickness		≥ 80 mm
Internal Wind Pressure		TBC
Deflection Limit (under serviceability condition)		L/240 L/360
Wall Height (mm)		Depending upon the dimension of stud

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STANDARD 2 HOUR FIRE RATED PARTITION SYSTEM



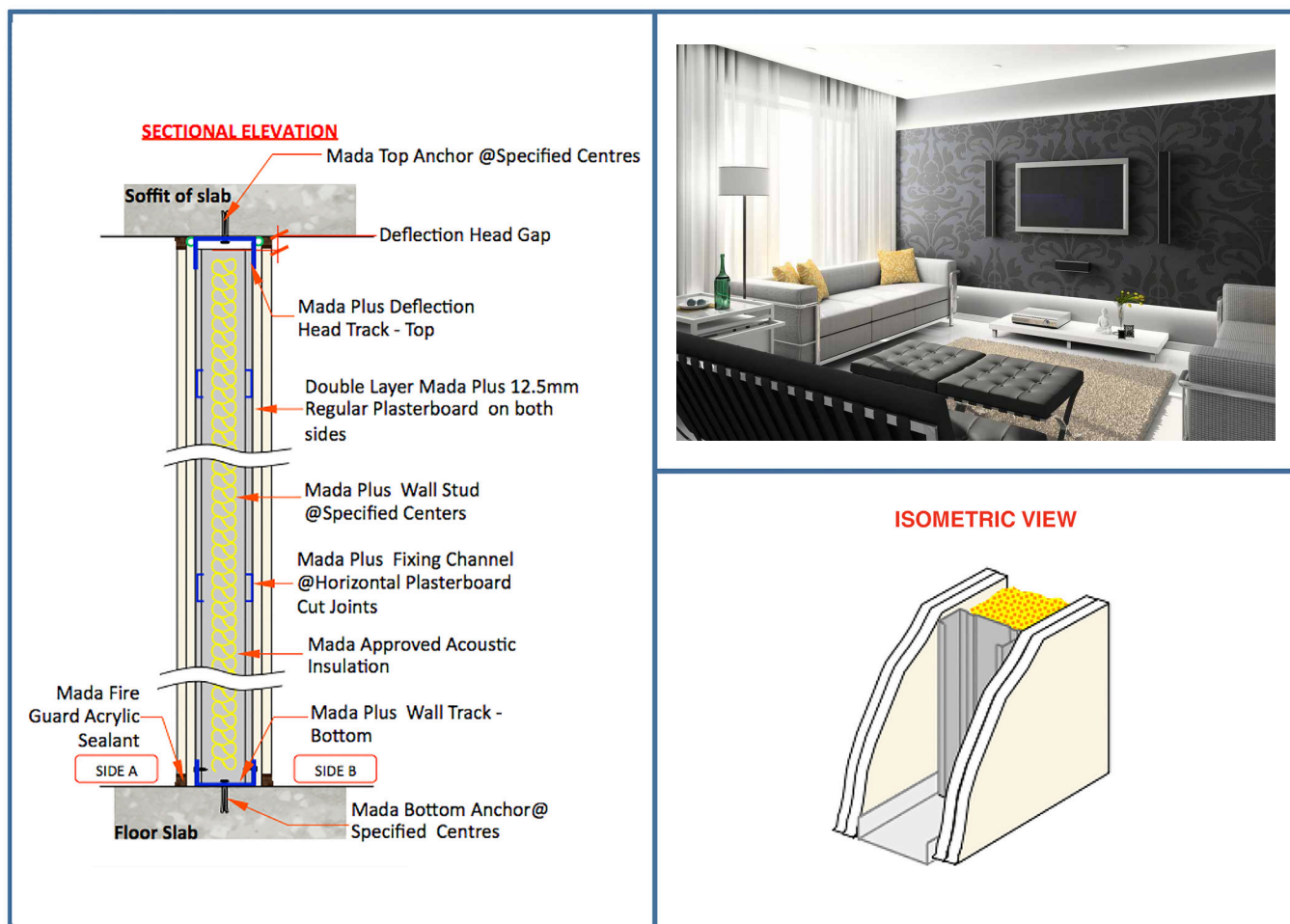
System Performance Criteria

Description	Standards	Mada's Rating
Fire Rating	E 119	2 Hour
Acoustic Rating (STC)	E 90	50
Wall Thickness		≥ 100 mm
Internal Wind Pressure		TBC
Deflection Limit (under serviceability condition)		L/240 L/360
Wall Height (mm)		Depending on the dimension of stud

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STANDARD 1 HOUR FIRE RATED PARTITION SYSTEM WITH HIGH STC RATING



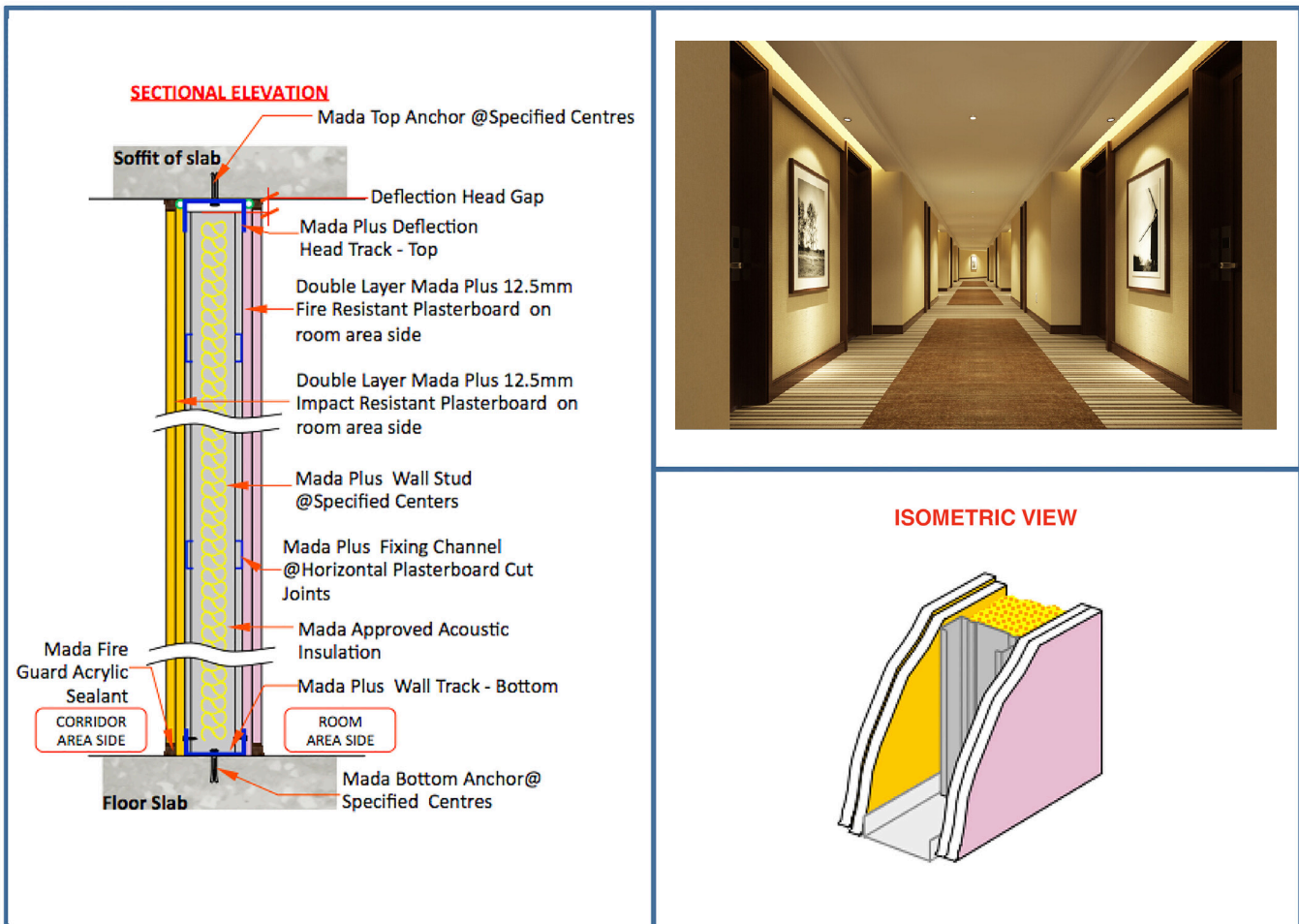
System Performance Criteria

Description	Standards	Mada's Rating
Fire Rating	E 119	1 Hour
Acoustic Rating (STC)	E 90	47
Wall Thickness		≥ 100 mm
Internal Wind Pressure		TBC
Deflection Limit (under serviceability condition)		L/240 L/360
Wall Height (mm)		Depending on the dimension of stud

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CORRIDOR AREA PARTITION SYSTEM



System Performance Criteria

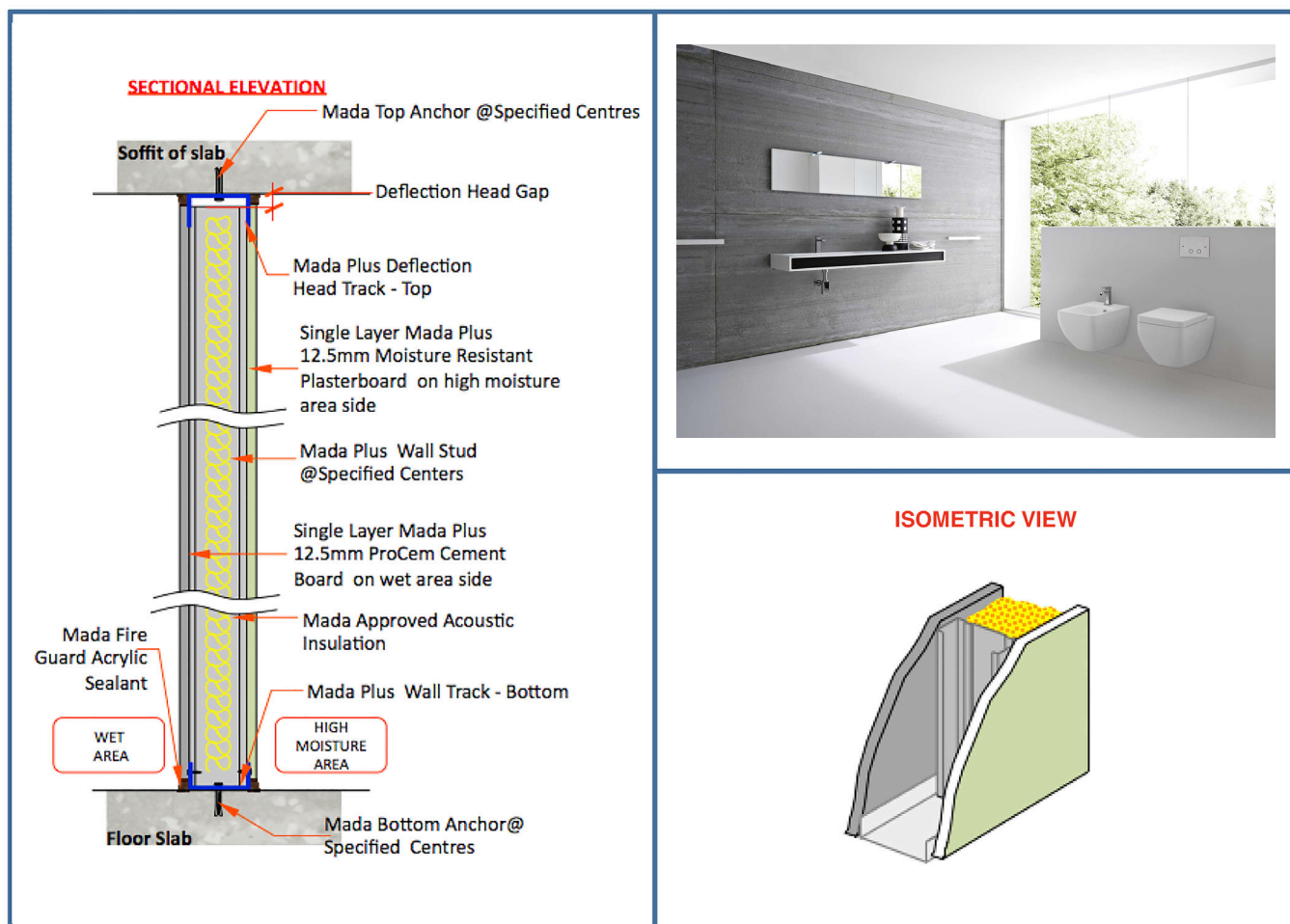
Description	Standards	Mada's Rating
Fire Rating	E 119	2 Hour
Acoustic Rating (STC)	E 90	52
Wall Thickness		≥ 100 mm
Internal Wind Pressure		TBC
Deflection Limit (under serviceability condition)		L/240 L/360
Wall Height (mm)		Depending on the dimension of stud

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WET AREA PARTITION SYSTEM

[TOILET AREA PARTITION SYSTEM]

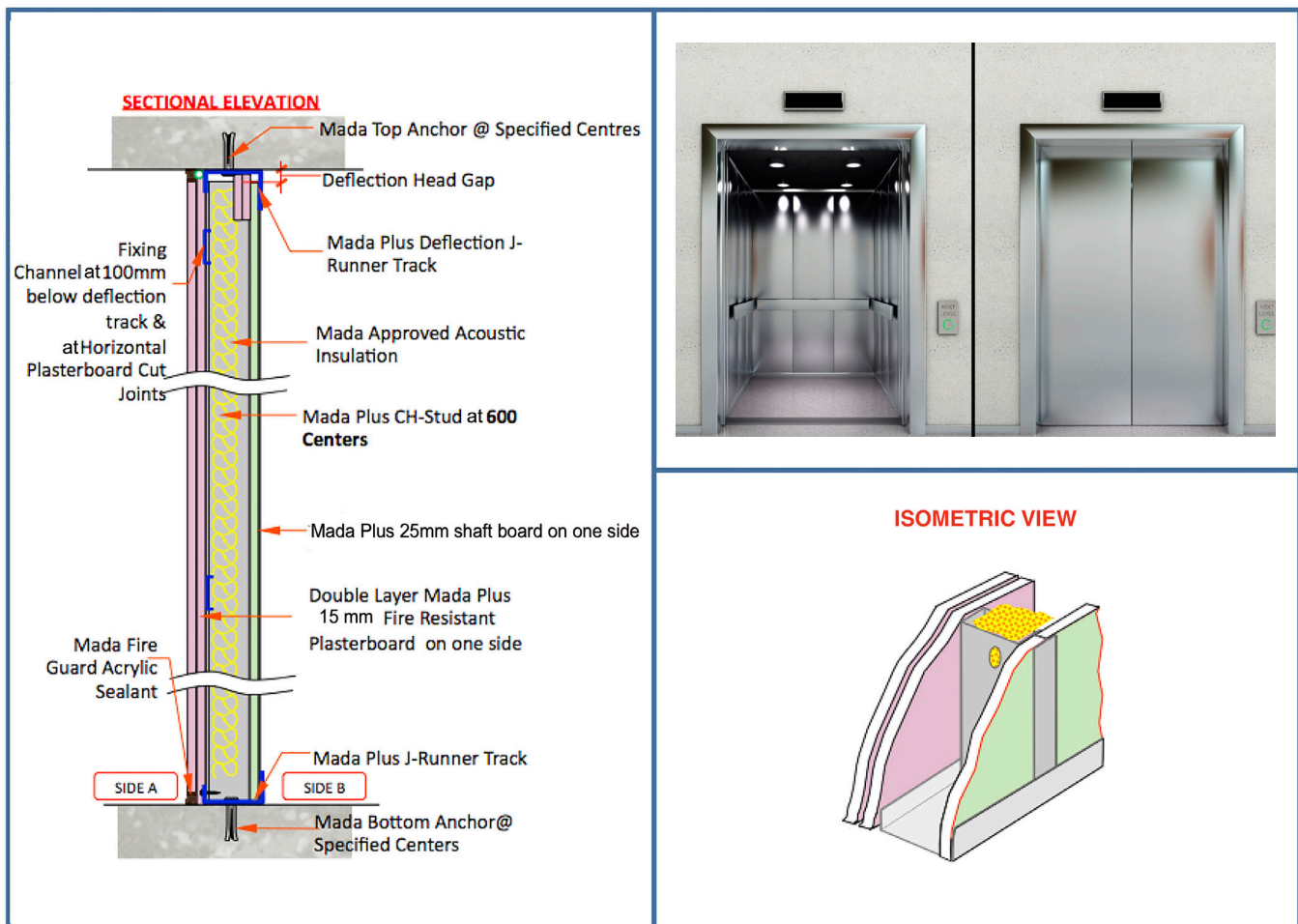


System Performance Criteria		
Description	Standards	Mada's Rating
Fire Rating	E 119	N/A
Acoustic Rating (STC)	E 90	40
Wall Thickness		≥ 75 mm
Internal Wind Pressure		TBC
Deflection Limit (under serviceability condition)		L/240 L/360
Wall Height (mm)		Depending on the dimension of stud

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2 HOUR FIRE RATED SHAFT WALL PARTITION SYSTEM



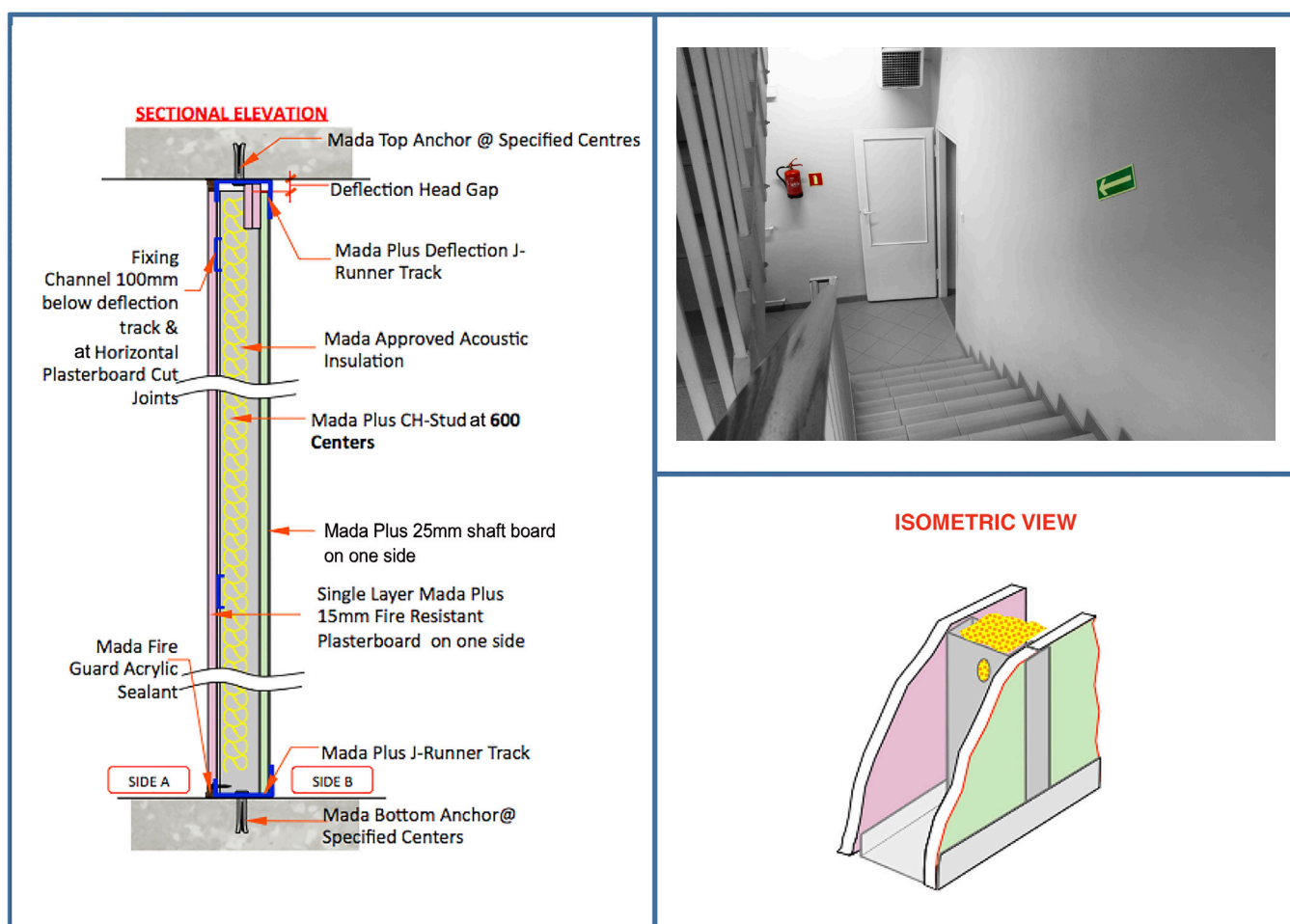
System Performance Criteria

Description	Standards	Mada's Rating
Fire Rating	E 119	2 Hour
Acoustic Rating (STC)	E 90	45
Wall Thickness		≥ 94 mm
Internal Wind Pressure		TBC
Deflection Limit (under serviceability condition)		L/240 L/360
Wall Height (mm)		Depending on the dimension of stud

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1 HOUR FIRE RATED SHAFT WALL PARTITION SYSTEM



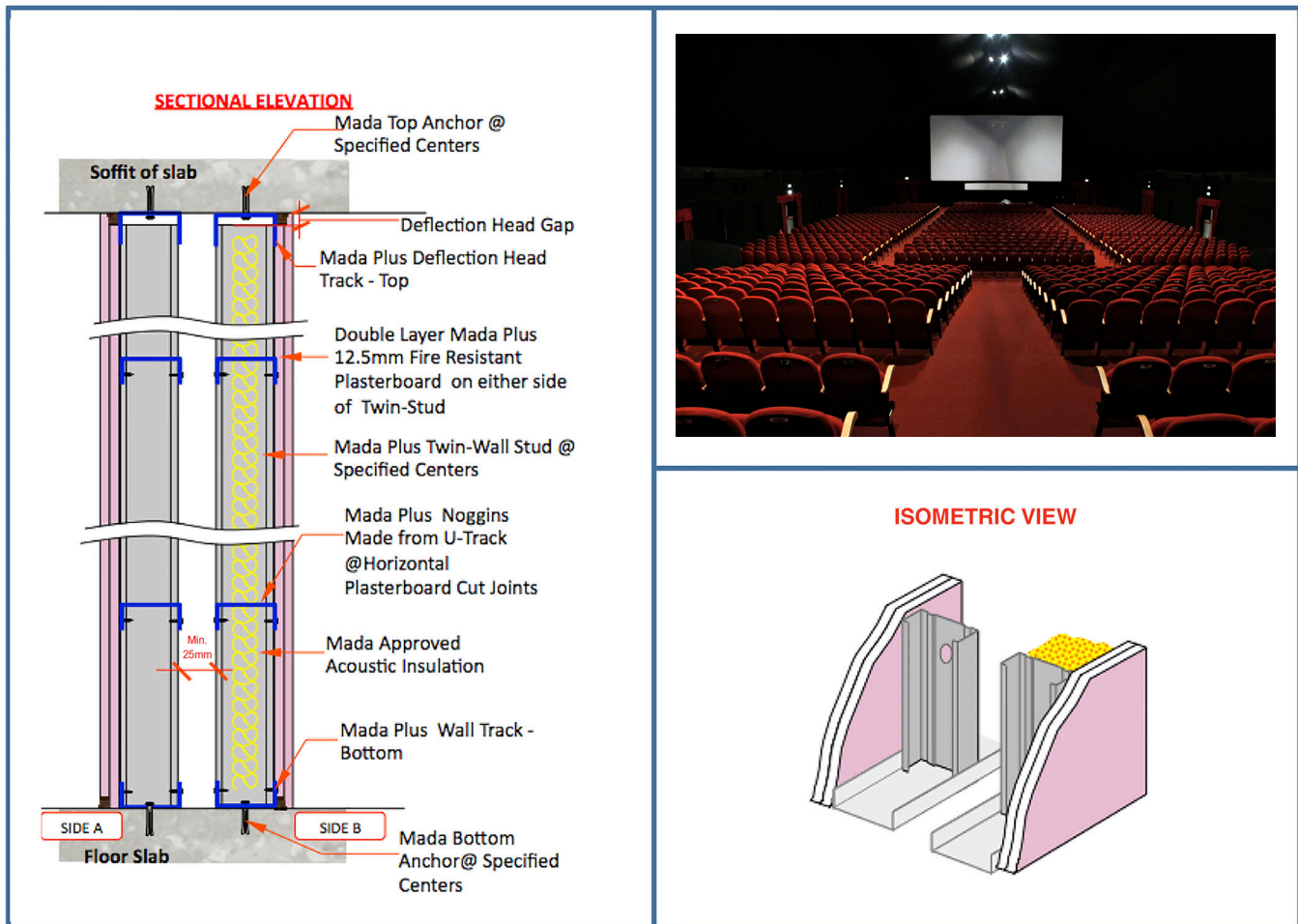
System Performance Criteria

Description	Standards	Mada's Rating
Fire Rating	E 119	1 Hour
Acoustic Rating (STC)	E 90	42
Wall Thickness		≥ 79 mm
Internal Wind Pressure		TBC
Deflection Limit (under serviceability condition)		L/240 L/360
Wall Height (mm)		Depending on the dimension of stud

MADA PLUS SYSTEMS

MADE IN KSA

CHASE WALL PARTITION SYSTEM



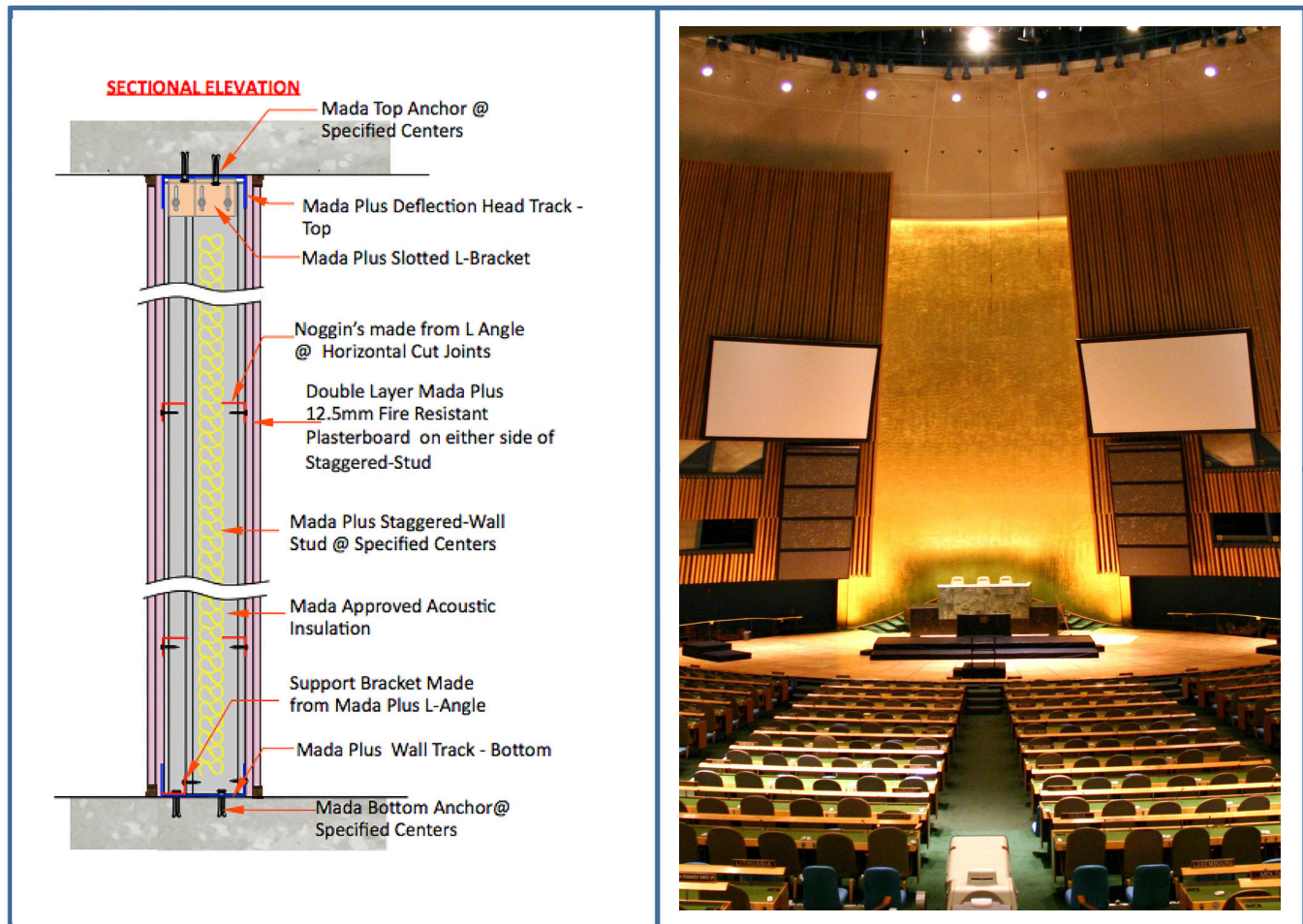
System Performance Criteria

Description	Standards	Mada's Rating
Fire Rating	E 119	2 Hour
Acoustic Rating (STC)	E 90	58
Wall Thickness		≥ 225 mm
Internal Wind Pressure		TBC
Deflection Limit (under serviceability condition)		L/240 L/360
Wall Height (mm)		Depending on the dimension of stud

MADA PLUS SYSTEMS

MADE IN KSA

STAGGERED WALL PARTITION SYSTEM



System Performance Criteria

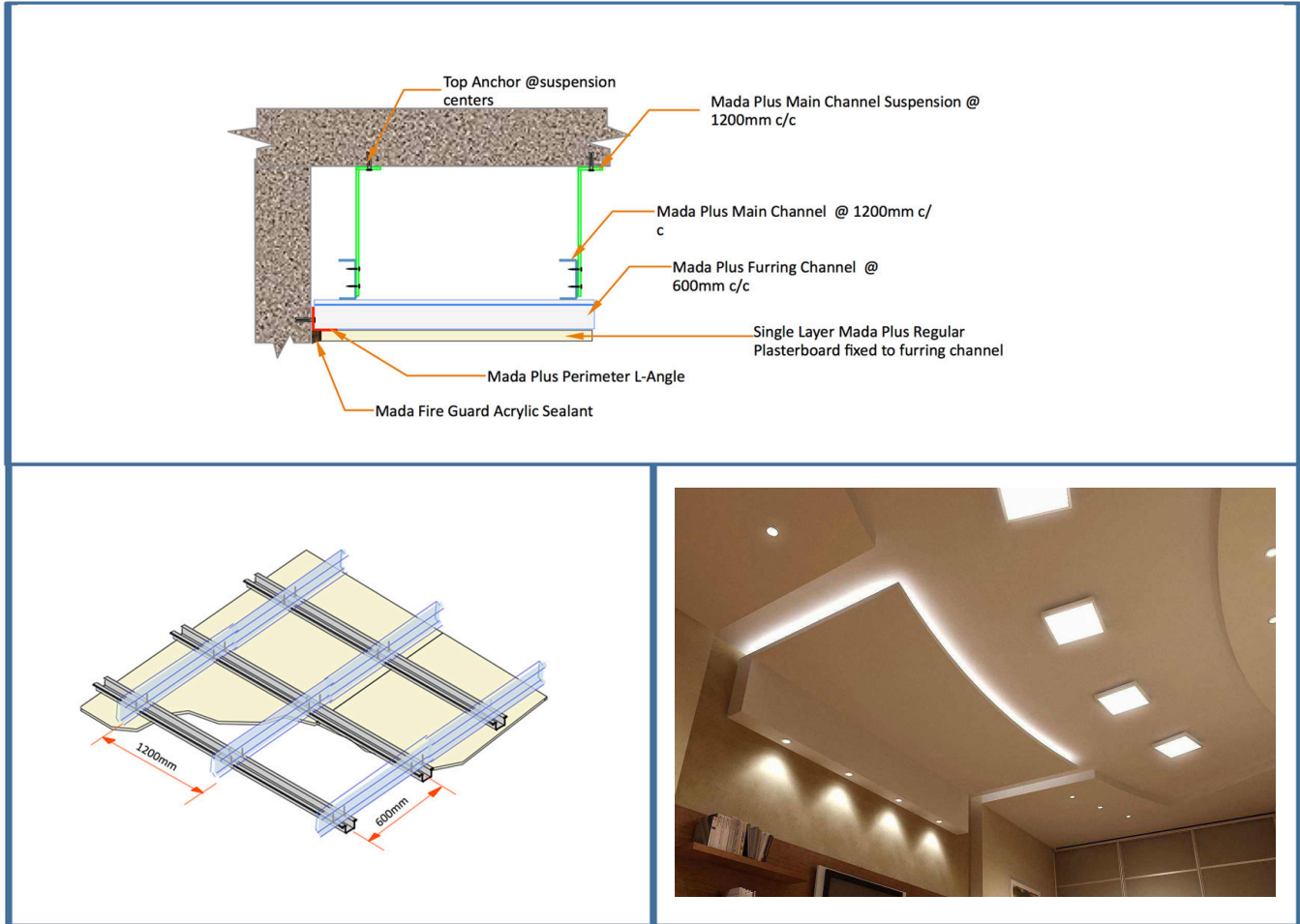
Description	Standards	Mada's Rating
Fire Rating	E 119	2 Hour
Acoustic Rating (STC)	E 90	56
Wall Thickness		≥ 125 mm
Internal Wind Pressure		TBC
Deflection Limit (under serviceability condition)		L/240 L/360
Wall Height (mm)		Depending on the dimension of stud

MADA PLUS SYSTEMS

MADE IN KSA

TRADITIONAL METAL SUSPENDED CEILING SYSTEM

[REGULAR PLASTERBOARD]



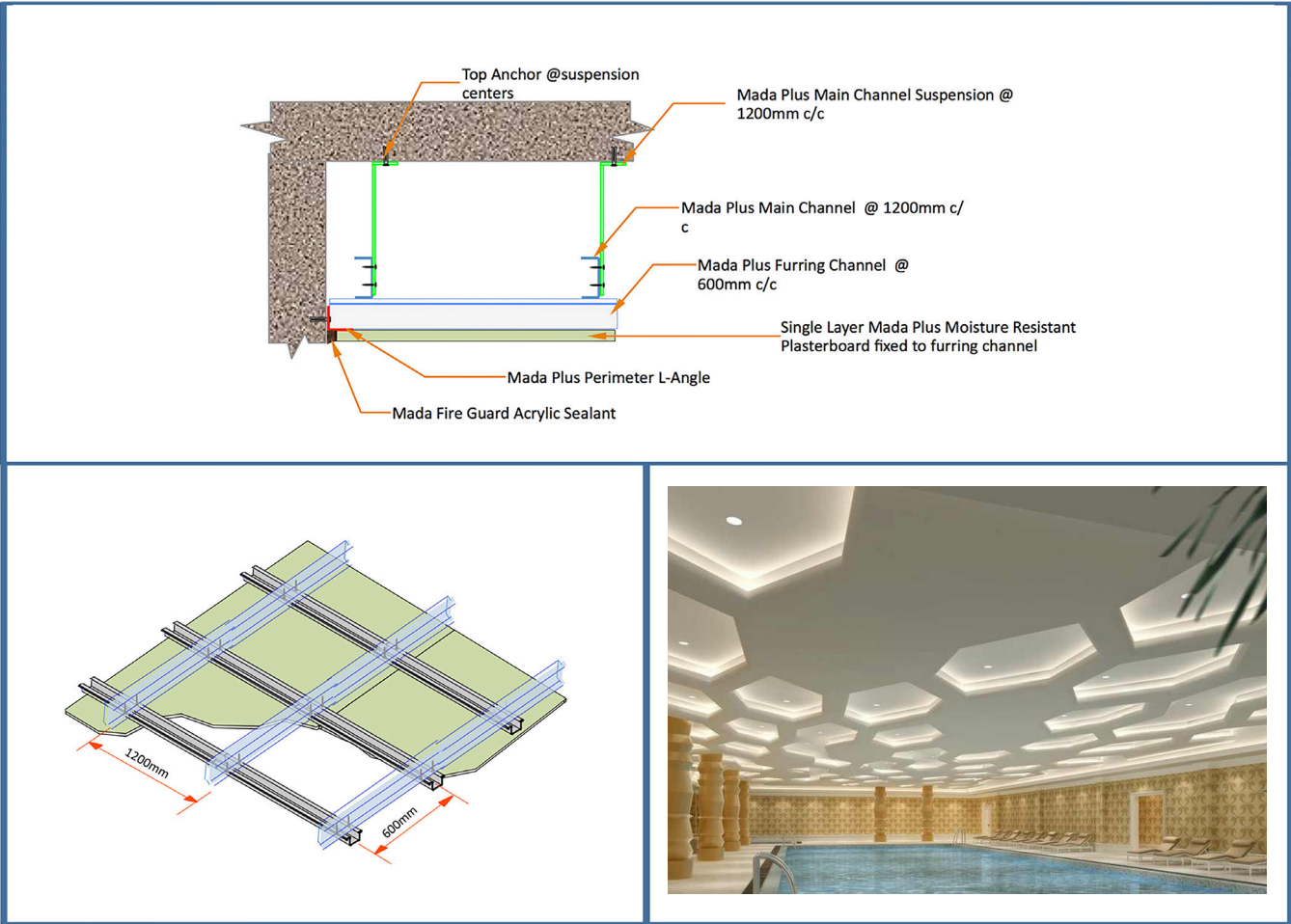
System Performance Criteria		
Description	Standards	Mada's Rating
Fire Rating	E 119	-
Acoustic Rating (STC)	E 90	-
Suspension Drop(mm)		≥ 600 mm
Deflection Limit (under serviceability condition)		L/240 L/360

MADA PLUS SYSTEMS

MADE IN KSA

TRADITIONAL METAL SUSPENDED CEILING SYSTEM

[MR PLASTERBOARD]



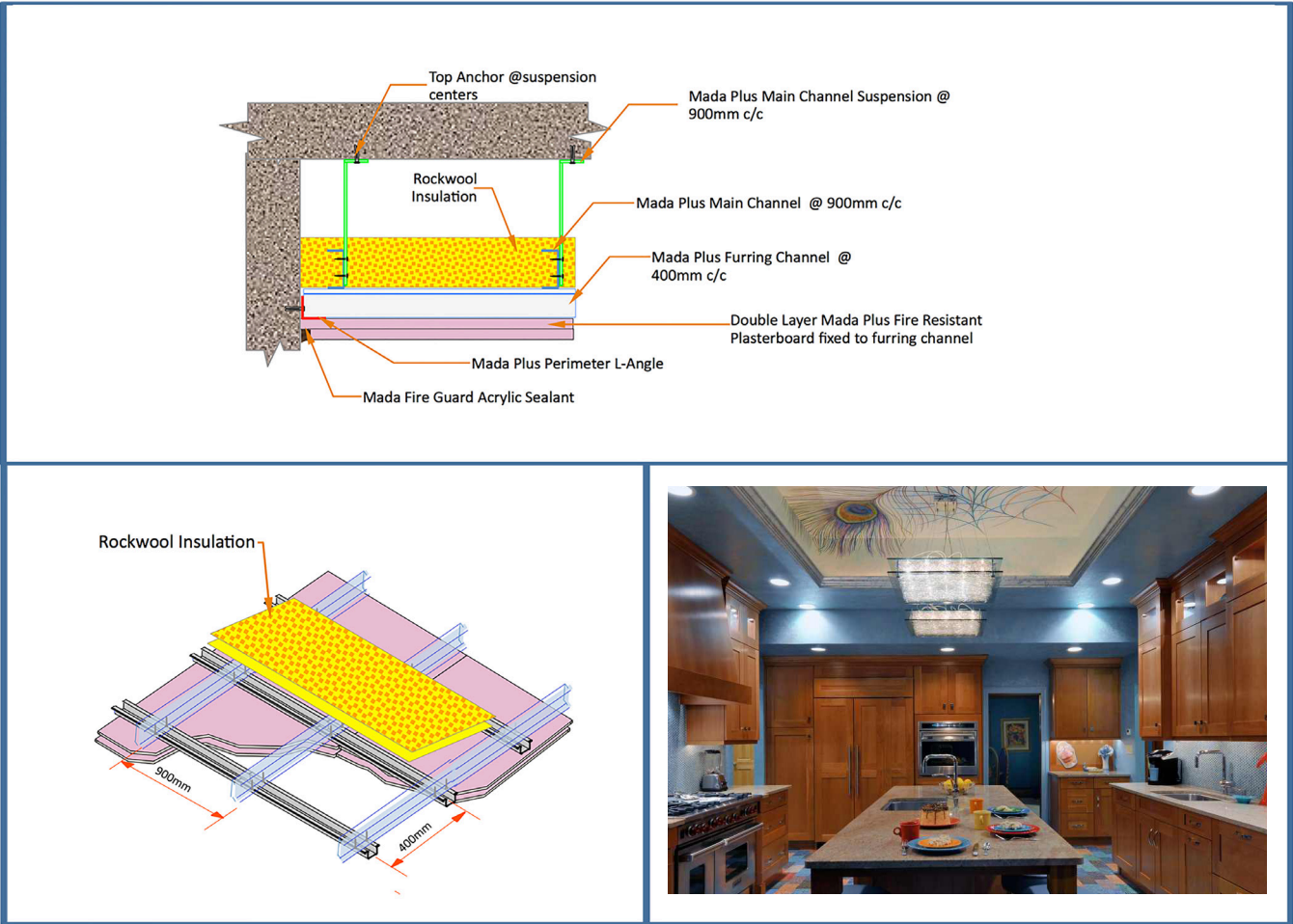
System Performance Criteria

Description	Standards	Mada's Rating
Fire Rating	E 119	-
Acoustic Rating (STC)	E 90	-
Suspension Drop(mm)		≥ 600 mm
Deflection Limit (under serviceability condition)		L/240 L/360

MADA PLUS SYSTEMS

MADE IN KSA

1 HOUR FIRE RATED METAL SUSPENDED CEILING SYSTEM

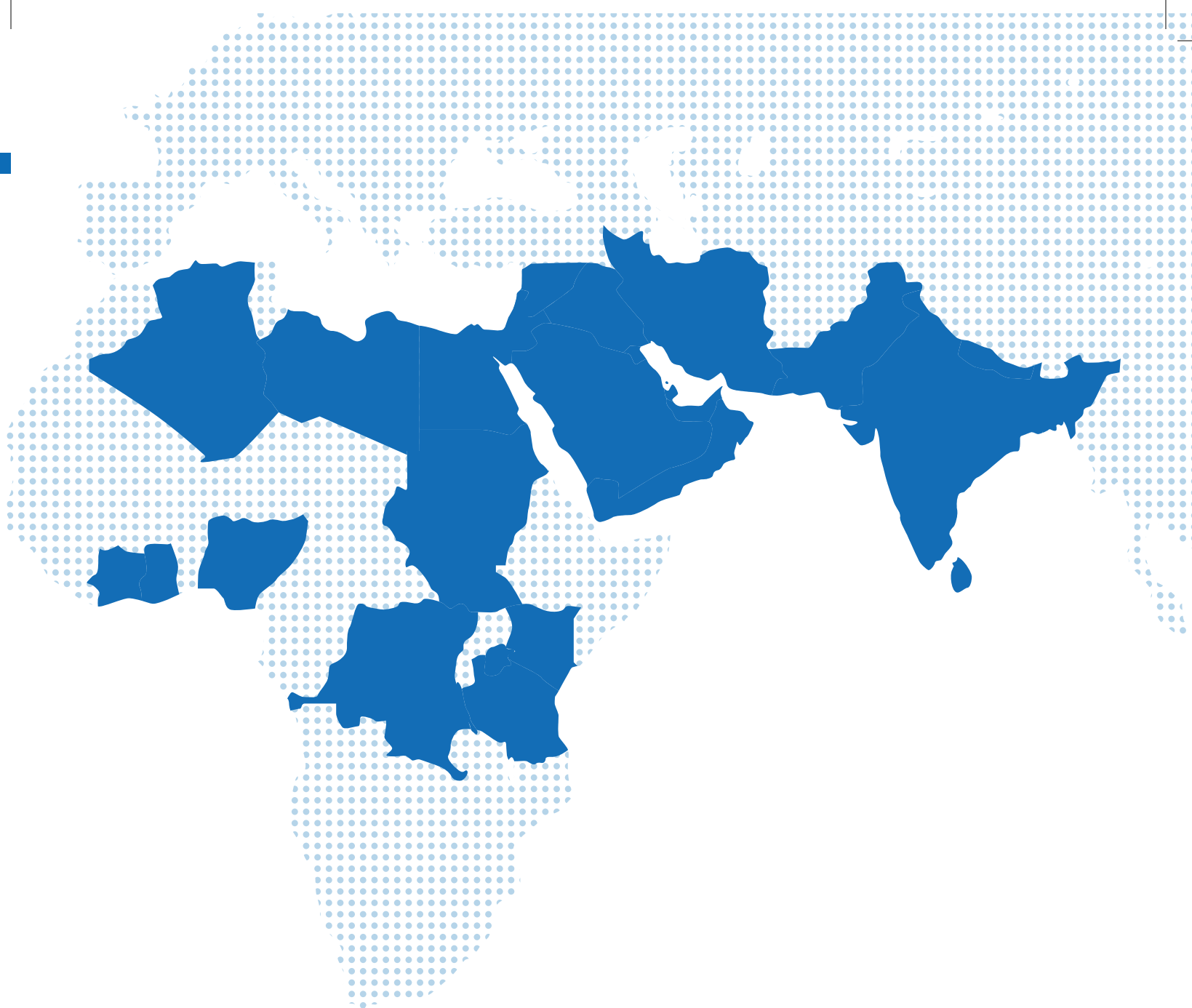


System Performance Criteria

Description	Standards	Mada's Rating
Fire Rating	E 119	1 Hour
Acoustic Rating (STC)	E 90	-
Suspension Drop(mm)		≥ 600 mm
Deflection Limit (under serviceability condition)		L/240 L/360

MADA PLUS SYSTEMS

MADE IN KSA



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