DOVA BOARD™

Gypsum Board
PLASTERBOARD

| GR | FR | MR | FMR |

Standard Board

Index

Standard Board

Index

Gypsum Board

Eco-friendliness

Gypsum Board is made out of recyclable by-product gypsum and FGD (Flue Gas Desulfurization) gypsum and is an environmentally-friendly product that has obtained the Environment-Mark in the w a l l and ceiling finish material category (grounds for certification: recyclability, reduced toxins, insulation and soundproofing.
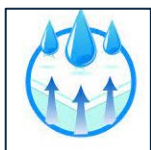
Lightweight

Controlled gypsum core density resulted in drastic weight reduction for easier board transportation and handling and greater board strength

Economic Efficiency

Light and easy to install, Gypsum Board is an economical product that can show you structural cost savings in your building.

Waterproofing

The waterproof plaster board is adequate for bathrooms and kitchens since the special waterproof process on the core plaster helps it to keep high levels of strength and waterproof performance in humid environment.

Antibacterial

Antibacterial Gypsum Board features a gypsum core that has undergone antibacterial treatment, which gives it the ability to suppress spreading and multiplication of mildew during the installation process (1 month).

Acoustic Insulation

The board's combined use of gypsum and paper gives it unsurpassed soundproofing performance than other materials of equal or similar mass, blocking out many of external noises and thereby providing a quiet indoor environment.

Easy Applicability

Gypsum Board can be cut w i t h ease using only a knife, is easy to install on w a l l s and ceilings, and can be applied with paint, wallpaper, and various other types of finishes.

Dimensional Stability

There's virtually no contraction or expansion brought on by changes in temperature or humidity levels, which means you won't have to worry about post-installation twisting or expansion with of joints.
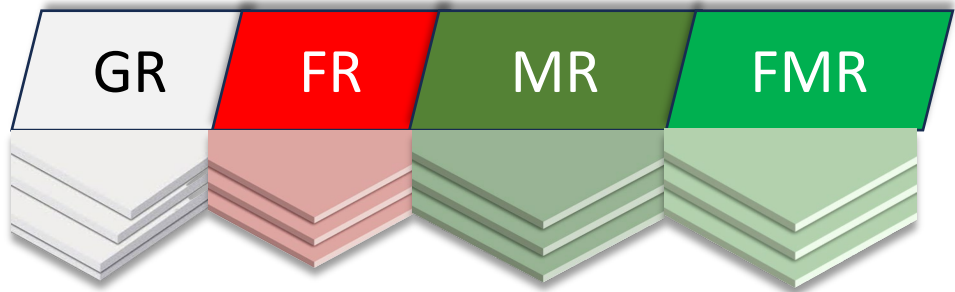
DOVA BOARD™

Gypsum Board

PLASTERBOARD

GR	FR	MR	FMR

Protection against Fire

Approximately 2 0 % of gypsum content is crystal w a t e r that provides initial fireproof and combustion delay properties to the board. In particular, Fireproof Gypsum Board has been enhanced w i t h fire-resistance materials and inorganic fibers for superior fire-resistance performance and is therefore suitable for application as fire-resistant or fireproof structure.

Thermal Insulation

With relatively low thermal conductivity, Gypsum Board blocks out the summer heat and the winter cold, enhances thermal efficiency, facilitates indoor temperature control, and provides even greater insulation performance when used in conjuction with Glass Wool, Mineral Wool and other insulation materials.

DOVA BOARD™

Regular Gypsum Boards EN-BS

RG

DESCRIPTION

RG is a regular plasterboard ideal for general drywall and ceiling applications. It is a flexible gypsum board that can accommodate any indoor architectural design.

It is composed of the best quality gypsum, extracted straight from our quarries, and processed using the best ecological practices. All materials are certified based on ASTM and EN standards and tested in approved laboratories.

Regular Gypsum Boards EN-BS

DIMENSIONS

- ➢ Thickness 8.0mm, 9.5mm,12.5mm, 15mm,15.9mm, 18mm
- ➢ Length 2000mm, 2400mm, 2440mm,2500mm, 3000mm
- ➢ Width 1200mm,1220mm
- ➢ Edges Squared and tapered
- ➢ Note Varying dimensions available upon request

APPLICATIONS

- ➢ Drywall partitions
- ➢ Suspended ceiling systems
- ➢ Wall lining
- ➢ Commercial or residential buildings
- ➢ Prefabricated constructions
- ➢ Malls, lounges, shops

FEATURES

- ➢ Easy and dry installation
- ➢ Eco-friendly, recyclable
- ➢ Lightweight
- ➢ No cracking
- ➢ Versatile
- ➢ Durable

STORAGE AND HANDLING

- ➢ Avoid contact with moisture or temperatures higher than 50°C for prolonged periods of time.
- ➢ Store in a dry/ventilated area above ground level (not in direct contact with the ground).
- ➢ Cover the boards with plastic sheets.
- ➢ Avoid direct rain or sunlight.
- ➢ Avoid cracking or damaging the boards during installation.

DOVA BOARD™

Regular Gypsum Board

GR

Regular Gypsum Boards EN-BS

DOVA BOARD™

PROPERTIES

SURFACE FINISHING	EDGE TYPES	STANDARDS	DIMENSIONS
Painted (water or oil base paint)	Squared edge	ASTM C 1396	Width 1200mm,1220mm
Cladding (wallpaper, vinyl, wood…)		ASTM C 473	Length 2000mm, 2400mm, 2440mm, 2500mm, 3000mm
Joint filling with All Purpose Joint Compound	Tapered edge	ASTM C 518	Thicknesses 8.0mm, 9.5mm 12.5mm, 15mm, 15.9mm, 18mm
			*Varying dimensions available upon request

RECOMMENDATION

➢ Cutting and scoring are completed from the front face of the board.
➢ Use phosphate plated self-tapping screws with a metal frame <0.7mm for board fixing.
➢ Use phosphate plated self-drilling for a metal frame >0.7mm for board fixing.
➢ Vertical screw spacing for the first layer of gypsum is 25cm, 50cm for the second, and 75cm for the third.
➢ It is recommended to use Joint Compound to treat joints or for skim coating.

PHYSICAL SPECIFICATIONS

SPECIFICATIONS	UNIT	VALUE	STANDARD
Thickness	mm	12.5	ASTM C 1396
Density	Kg/m³	705.95	ASTM C 1396
Weight per unit area	Kg/m²	8.76	ASTM C 1396
Tolerance of length	mm	2401	ASTM C 1396
Tolerance of width	mm	1200	ASTM C 1396
Tolerance of thickness	mm	12.5	ASTM C 1396
Depth of taper	mm	1.23	ASTM C 1396
Width of taper	mm	42.57	ASTM C 1396
Squareness of edges	mm	1.7	ASTM C 1396
Core hardness	N	192	ASTM C 1396
Edges hardness	N	144	ASTM C 1396
Ends hardness	N	200	ASTM C 1396
Flexural breaking load long edge	N	517	ASTM C 1396
Flexural breaking load short edge	N	211	ASTM C 1396
Nail pull strength	N	363	ASTM C 1396
Bending radius	mm	1875	ASTM C 1396
Humidified deflection	mm	1.4	ASTM C 1396
Thermal conductivity	w/m.k	0.1839	ASTM C 518

Manufactured according to ASTM & EN standards

Regular Gypsum Board — GR

Regular Gypsum Boards EN-BS

Appearance:
Ivory / Grey Paper Liner

Board Type:
EN520 - Type A

DOVA BOARD™

Packing Details

Thickness	8 mm	9.5 mm	12.5 mm	15 mm	18 mm
Boards per Pallet	70	90	82	54	54

Board width (mm)	Board length (mm)	Pallet stack Height pack
1200	2400	4

Pallets Details

Pallets Size:
1220 x 2000 mm
1220 x 2400 mm
1220 x 3000 mm
According length of board.

E-GREEN PALLTE

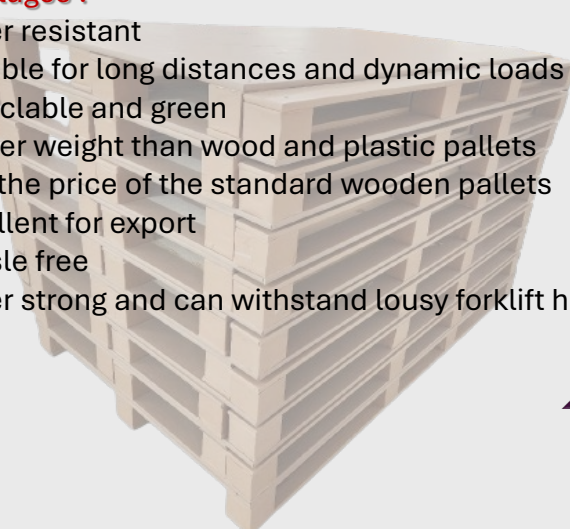Fumigation free   Recyclable   Moisture resistance option   Lighter in weight   ECO FRIENDY

Advantages :
- Water resistant
- Reliable for long distances and dynamic loads
- Recyclable and green
- Lighter weight than wood and plastic pallets
- Half the price of the standard wooden pallets
- Excellent for export
- Hassle free
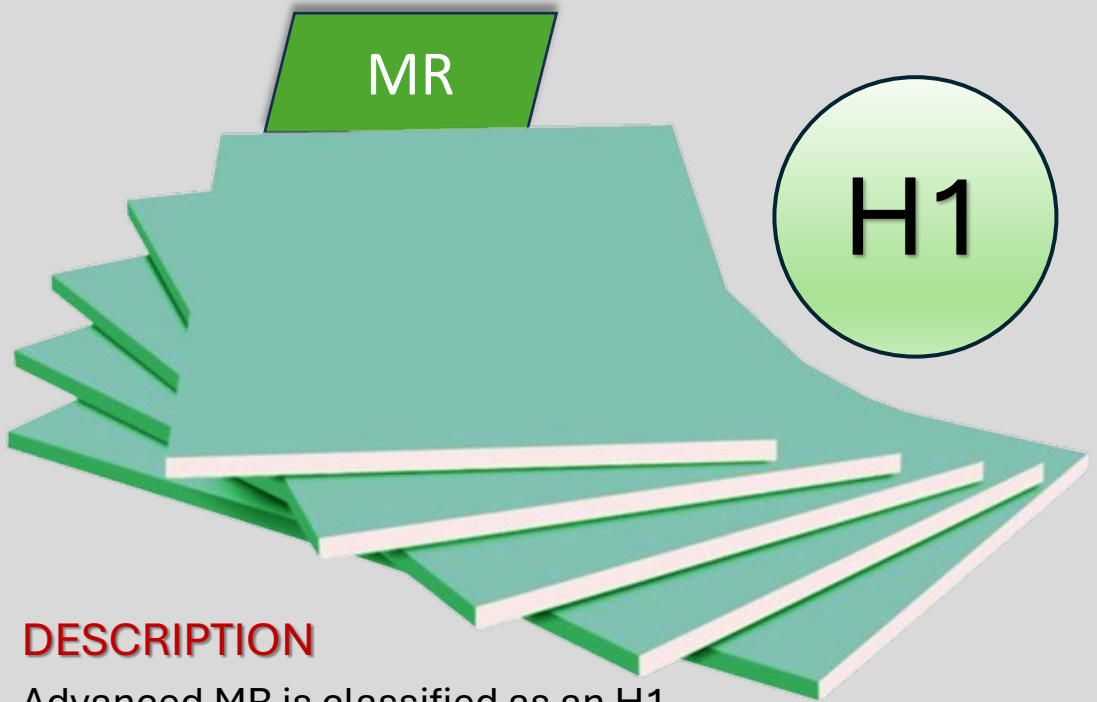- Super strong and can withstand lousy forklift handling

MR. H1
IS A MOISTURE RESISTANT BOARD

Advanced MR

DOVA BOARD™

MR

H1

DESCRIPTION

Advanced MR is classified as an H1 board having the lowest percentage (<5 %) of water absorption. A superior moisture resistant gypsum board with silicon oil in the core acting as a water repellent, Advanced MR's core is highly resistant to moisture.

Advanced MR has a green paper face with a higher core density increasing its moisture resistance properties.

It is a perfect suit for areas of high humidity as it provides impeccable protection against moisture exposure. All materials are certified based on ASTM and EN standards and tested in approved laboratories.

DOVA BOARD™

MR. H1
IS A MOISTURE RESISTANT BOARD

Advanced MR

H1

APPLICATIONS
- ❑ Wall cladding
- ❑ Suspended ceiling systems
- ❑ Commercial and residential buildings
- ❑ Any area subject to high humidity
- ❑ Kitchen, bathrooms, utility rooms...

FEATURES
- ❑ Extremely low moisture absorption
- ❑ Suitable sound insulation
- ❑ Thermally balanced
- ❑ High strength and resistance to cracks
- ❑ Lightweight

Advanced MR

Durable   Eco-friendly   Moisture resistant   Lightweight

DOVA BOARD™

MR. H1
IS A MOISTURE RESISTANT BOARD

Advanced MR

H1

PROPERTIES

SURFACE FINISHING	EDGE TYPES	STANDARDS	DIMENSIONS
Painted (water or oil base paint)	Squared edge	ASTM C 1396	Width 1200mm 1220mm
Cladding (wallpaper, vinyl, wood…)		ASTM C 473	Length 2000mm, 2400mm, 2440mm, 2500mm, 3000mm
Joint filling with All Purpose Joint Compound	Tapered edge	ASTM C 518	Thicknesses 8.0mm, 9.5mm 12.5mm, 15mm, 15.9mm, 18mm

*Varying dimensions available upon request

RECOMMENDATION

- Cutting and scoring are completed from the front face of the board.
- Use phosphate plated self-tapping screws with a metal frame <0.7mm for board fixing.
- Use phosphate plated self-drilling for a metal frame >0.7mm for board fixing.
- Vertical screw spacing for the first layer of gypsum is 25cm, 50cm for the second, and 75cm for the third.

STORAGE AND HANDLING

- Avoid contact with water or temperatures higher than 50°C for prolonged periods of time.
- Store in a dry/ventilated area above ground level (not in direct contact with the ground).
- Cover the boards with plastic sheets.
- Avoid direct rain or sunlight.
- Avoid cracking or damaging the boards during installation.

DOVA BOARD™

MR. H1
IS A MOISTURE RESISTANT BOARD

Advanced MR

H1

PHYSICAL SPECIFICATIONS

SPECIFICATIONS	UNIT	VALUE	STANDARD
Thickness	mm	12.5	ASTM C 1396
Density	Kg/m³	756.48	ASTM C 1396
Weight per unit area	Kg/m²	9.36	ASTM C 1396
Tolerance of length	mm	2401	ASTM C 1396
Tolerance of width	mm	1200	ASTM C 1396
Tolerance of thickness	mm	12.5	ASTM C 1396
Depth of taper	mm	1.21	ASTM C 1396
Width of taper	mm	42.23	ASTM C 1396
Squareness of edges	mm	1.7	ASTM C 1396
Core hardness	N	231	ASTM C 1396
Edges hardness	N	205	ASTM C 1396
Ends hardness	N	221	ASTM C 1396
Flexural breaking load long edge	N	506	ASTM C 1396
Flexural breaking load short edge	N	205	ASTM C 1396
Nail pull strength	N	372	ASTM C 1396
Bending radius	mm	1895	ASTM C 1396
Humidified deflection	mm	1.2	ASTM C 1396
Thermal conductivity	W/m.K	0.1622	ASTM C 518
Water absorption	%	<5	ASTM C 1396

MOISTURE RESISTANT BOARD
Advanced MR

H1

DOVA BOARD™

MR. H2
IS A MOISTURE RESISTANT BOARD

MR

H2
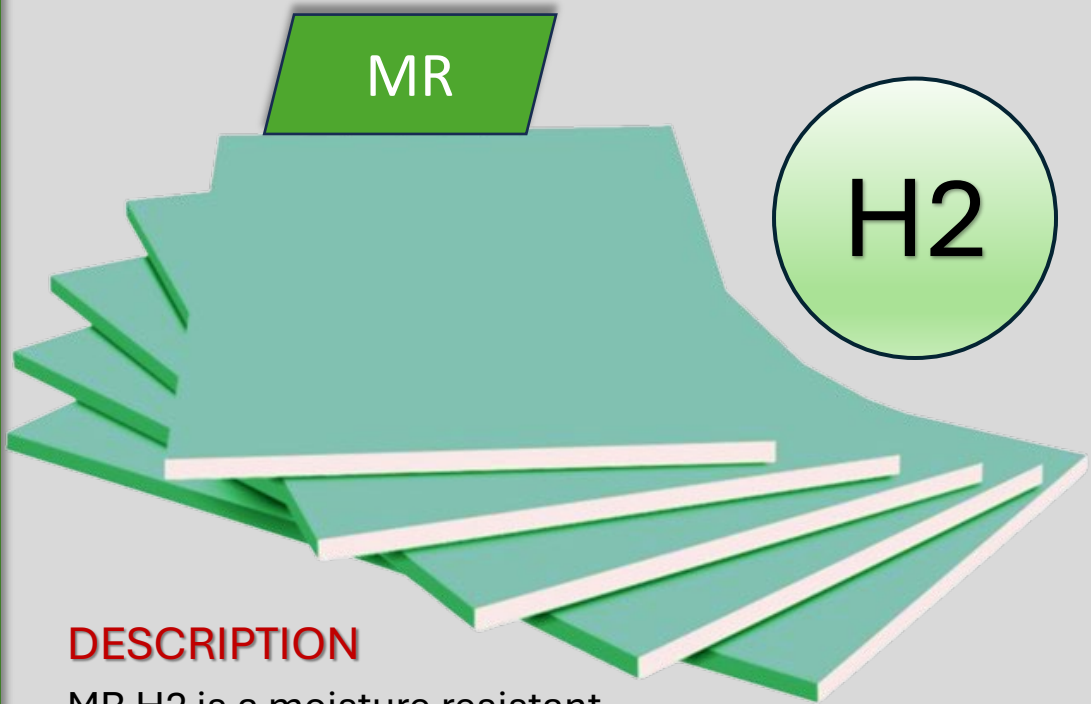
DESCRIPTION

MR H2 is a moisture resistant board having a reasonable percentage, between 5 to 10 %, of water absorption. The silicon oil in its core acts as a water repellent rendering it more resistant to moisture.

MR H2 is the perfect suit for areas of high humidity.

MR H2 is composed of the best quality gypsum, non-toxic minerals, and moisture repellent additives which suit health conditions.

All materials are certified based on ASTM and EN standards and tested in approved laboratories.
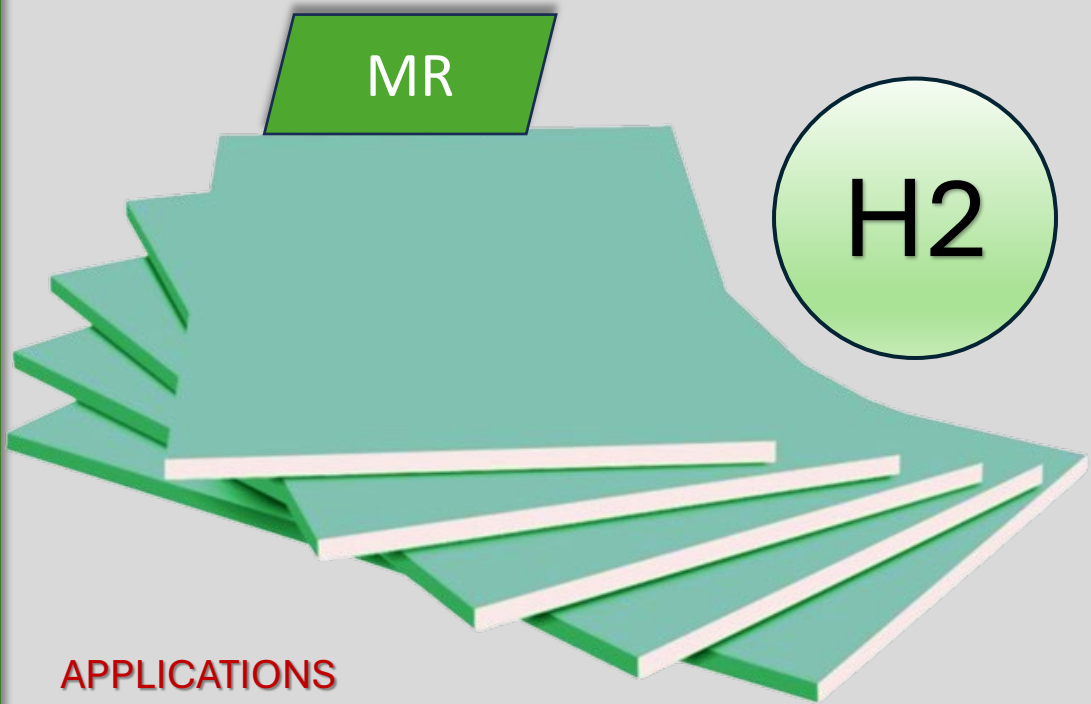
DOVA BOARD™

MR. H2
IS A MOISTURE RESISTANT BOARD

MR

H2

APPLICATIONS
- ❑ Reception areas
- ❑ Meeting rooms, conference rooms
- ❑ Cafeterias, restaurants
- ❑ Toilets, humid areas
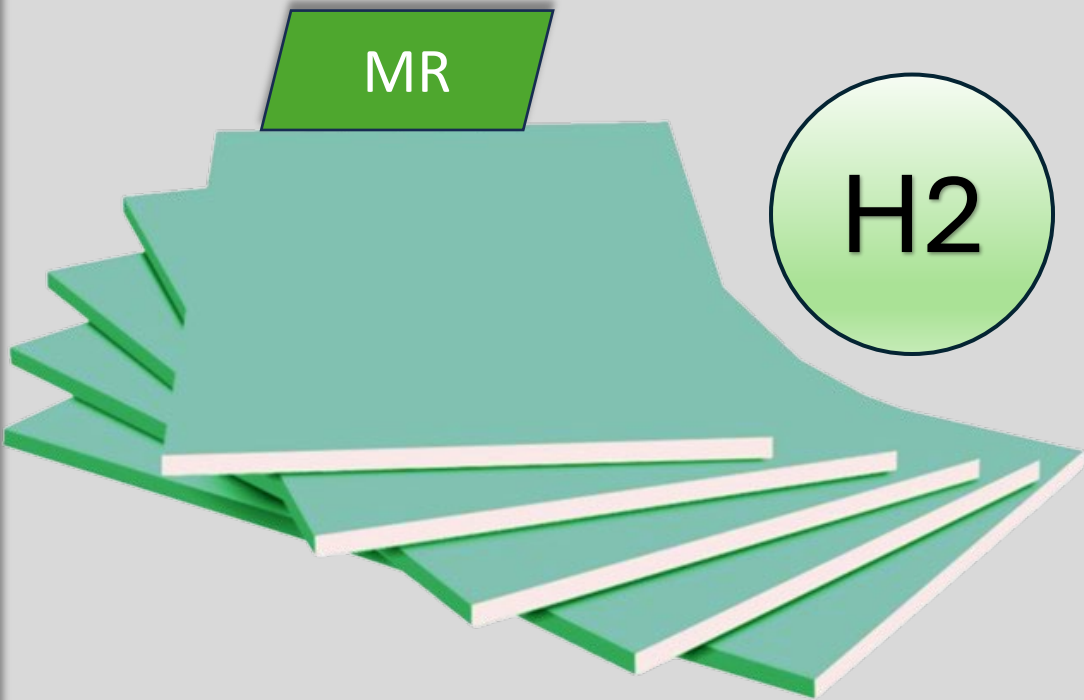- ❑ Showrooms, office buildings
- ❑ Malls, lounges, shops

FEATURES
- ❑ Thermally balanced
- ❑ Highly resistant to cracks
- ❑ Low moisture absorption rate
- ❑ Suitable sound insulation
- ❑ Easy to handle and install
- ❑ Lightweight
- ❑ Eco-friendly, recyclable

DOVA BOARD™

MR. H2
IS A MOISTURE RESISTANT BOARD

MR

H2

PROPERTIES

SURFACE FINISHING	EDGE TYPES	STANDARDS	DIMENSIONS
Painted (water or oil base paint)	Squared edge	ASTM C 1396	Width 1200mm 1220mm
Cladding (wallpaper, vinyl, wood…)		ASTM C 473	Length 2000mm, 2400mm, 2440mm, 2500mm, 3000mm
Joint filling with All Purpose Joint Compound	Tapered edge	ASTM C 518	Thicknesses 8.0mm, 9.5mm 12.5mm, 15mm, 15.9mm, 18mm
		EN 520	

*Varying dimensions available upon request

Moisture resistant   Durable   Sound insulation   No cracking

DOVA BOARD™

MR. H2
IS A MOISTURE RESISTANT BOARD

H2

PHYSICAL SPECIFICATIONS

SPECIFICATIONS	UNIT	VALUE	STANDARD
Thickness	mm	12.5	ASTM C 1396
Density	Kg/m³	785	ASTM C 1396
Weight per unit area	Kg/m²	9.8	ASTM C 1396
Tolerance of length	mm	2401	ASTM C 1396
Tolerance of width	mm	1200	ASTM C 1396
Tolerance of thickness	mm	12.5	ASTM C 1396
Depth of taper	mm	1.21	ASTM C 1396
Width of taper	mm	42.23	ASTM C 1396
Squareness of edges	mm	1.7	ASTM C 1396
Core hardness	N	231	ASTM C 1396
Edges hardness	N	205	ASTM C 1396
Ends hardness	N	221	ASTM C 1396
Flexural breaking load long edge	N	700	ASTM C 1396
Flexural breaking load short edge	N	310	ASTM C 1396
Nail pull strength	N	380	ASTM C 1396
Bending radius	mm	1895	ASTM C 1396
Humidified deflection	mm	1.2	ASTM C 1396
Thermal conductivity	W/m.K	0.1701	ASTM C 518
Water absorption	%	H2<10	EN 520

RECOMMENDATION
- Cutting and scoring are completed from the front face of the board.
- Use phosphate plated self-tapping screws with a metal frame <0.7mm for board fixing.
- Use phosphate plated self-drilling for a metal frame >0.7mm for board fixing.
- Vertical screw spacing for the first layer of gypsum is 25cm, 50cm for the second, and 75cm for the third.
- It is recommended to use Gcoat™ All Purpose Joint Compound to treat joints or for skim coating.

STORAGE AND HANDLING
- Avoid contact with water or temperatures higher than 50°C for prolonged periods of time.
- Store in a dry/ventilated area above ground level (not in direct contact with the ground).
- Cover the boards with plastic sheets.
- Avoid direct rain or sunlight.
- Avoid cracking or damaging the boards during installation.

H2

DOVA BOARD™

Packing Details

Thickness	12.5 mm	15 mm	18 mm
Boards per Pallet	60	54	54

Board width (mm)	Board length (mm)	Pallet stack Height pack
1200	2400	4

Pallets Details

Pallets Size:
1220 x 2000 mm
1220 x 2400 mm
1220 x 3000 mm
According length of board.

E-GREEN PALLTE

Fumigation free   Recyclable   Moisture resistance option   Lighter in weight   ECO FRIENDY

Advantages :
• Water resistant
• Reliable for long distances and dynamic loads
• Recyclable and green
• Lighter weight than wood and plastic pallets
• Half the price of the standard wooden pallets
• Excellent for export
• Hassle free
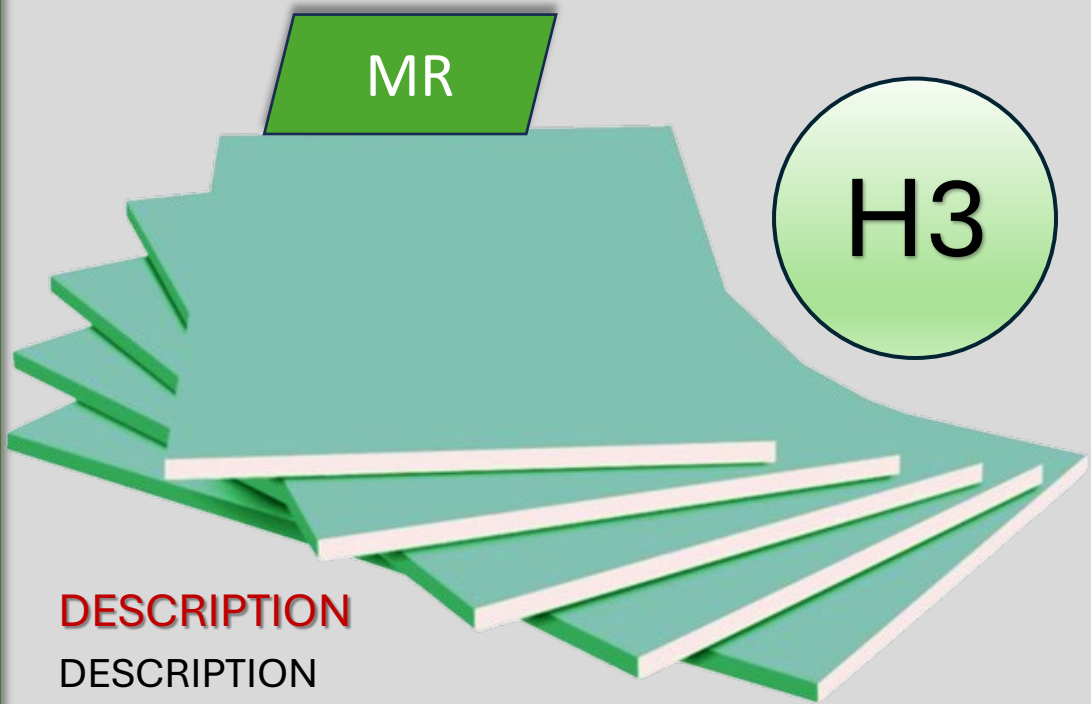• Super strong and can withstand lousy forklift handling

DOVA BOARD™

MR. H3
IS A MOISTURE RESISTANT BOARD

MR

H3

DESCRIPTION

DESCRIPTION

MR H3 is a moisture resistant board with silicon oil in the core having an average percentage, between 10 and 25 %, of water absorption. The oil acts as a water repellent rendering the core more resistant to moisture.

MR H3 is the perfect suit for areas of high humidity.

MR H3 is composed of the best quality gypsum, non-toxic minerals, and moisture repellent additives which suit health conditions.

All materials are certified based on ASTM and EN standards and tested in approved laboratories.
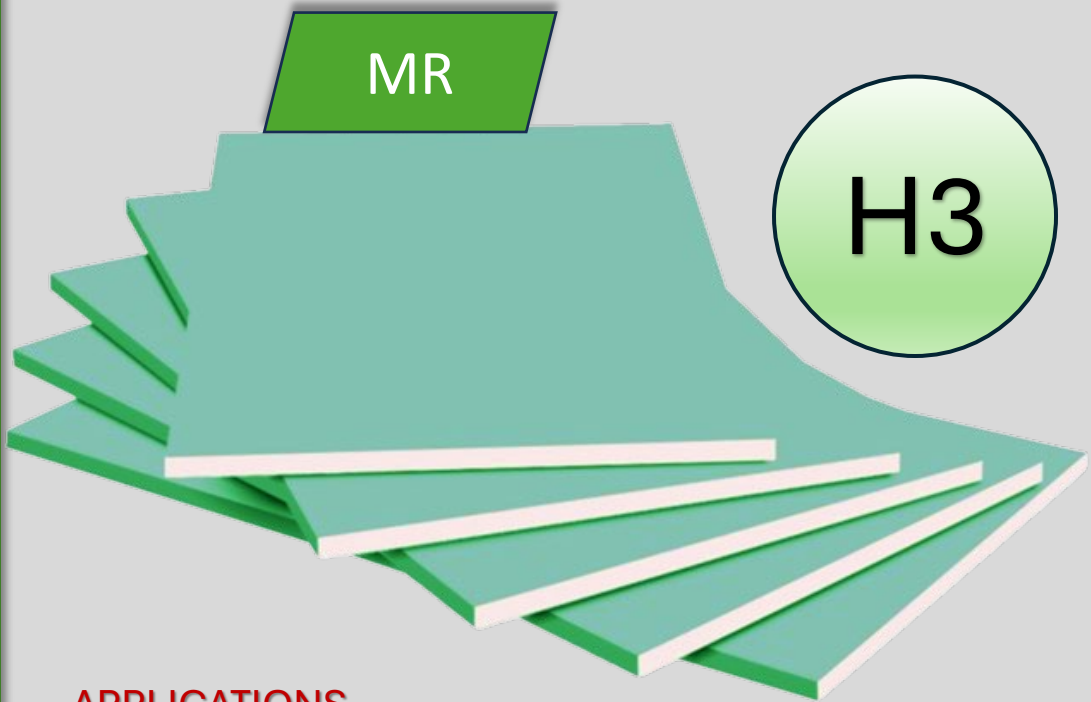
DOVA BOARD™

MR. H3
IS A MOISTURE RESISTANT BOARD

MR

H3

APPLICATIONS
- ❑ Reception areas
- ❑ Meeting rooms, conference rooms
- ❑ Cafeterias, restaurants
- ❑ Toilets, humid areas
- ❑ Showrooms, office buildings
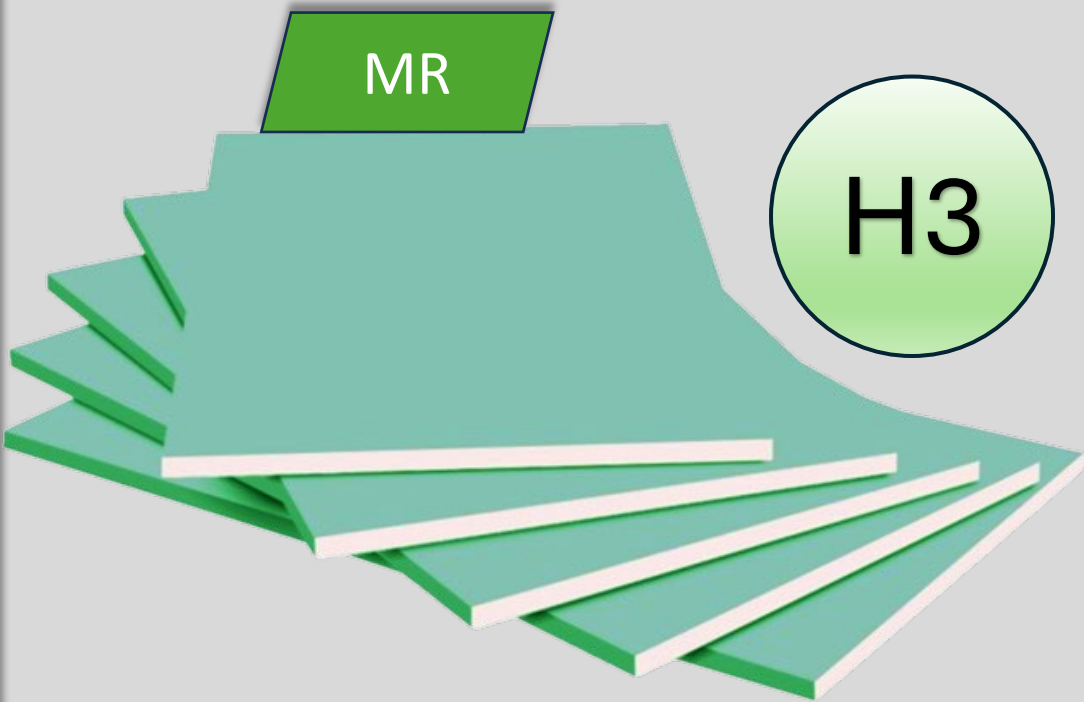- ❑ Malls, lounges, shops

FEATURES
- ❑ Thermally balanced
- ❑ Highly resistant to cracks
- ❑ Low moisture absorption rate
- ❑ Suitable sound insulation
- ❑ Easy to handle and install
- ❑ Lightweight
- ❑ Eco-friendly, recyclable

DOVA BOARD™

MR. H3
IS A MOISTURE RESISTANT BOARD

MR

H3

PROPERTIES

SURFACE FINISHING	EDGE TYPES	STANDARDS	DIMENSIONS
Painted (water or oil base paint)	Squared edge	ASTM C 1396	Width 1200mm 1220mm
Cladding (wallpaper, vinyl, wood…)		ASTM C 473	Length 2000mm, 2400mm, 2440mm, 2500mm, 3000mm
Joint filling with All Purpose Joint Compound	Tapered edge	ASTM C 518	Thicknesses 8.0mm, 9.5mm
		EN 520	12.5mm, 15mm, 15.9mm, 18mm

*Varying dimensions available upon request

Moisture resistant   Durable   Sound insulation   No cracking

DOVA BOARD™

MR. H3
IS A MOISTURE RESISTANT BOARD

H3

PHYSICAL SPECIFICATIONS

SPECIFICATIONS	UNIT	VALUE	STANDARD
Thickness	mm	12.5	ASTM C 1396
Density	Kg/m³	704	ASTM C 1396
Weight per unit area	Kg/m²	8.8	ASTM C 1396
Tolerance of length	mm	2401	ASTM C 1396
Tolerance of width	mm	1200	ASTM C 1396
Tolerance thickness	mm	12.5	ASTM C 1396
Depth of taper	mm	1.21	ASTM C 1396
Width of taper	mm	42.23	ASTM C 1396
Squareness of edges	mm	1.7	ASTM C 1396
Core hardness	N	155	ASTM C 1396
Edges hardness	N	145	ASTM C 1396
Ends hardness	N	155	ASTM C 1396
Flexural breaking load long edge	N	595	ASTM C 1396
Flexural breaking load short edge	N	255	ASTM C 1396
Nail pull strength	N	472	ASTM C 1396
Bending radius	mm	1895	ASTM C 1396
Humidified deflection	mm	1.2	ASTM C 1396
Thermal conductivity	W/m.K	0.1782	ASTM C 518
Water absoption	%	H3<25	EN 520

RECOMMENDATION
- Cutting and scoring are completed from the front face of the board.
- Use phosphate plated self-tapping screws with a metal frame <0.7mm for board fixing.
- Use phosphate plated self-drilling for a metal frame >0.7mm for board fixing.
- Vertical screw spacing for the first layer of gypsum is 25cm, 50cm for the second, and 75cm for the third.
- It is recommended to use Gcoat™ All Purpose Joint Compound to treat joints or for skim coating.

STORAGE AND HANDLING
- Avoid contact with water or temperatures higher than 50°C for prolonged periods of time.
- Store in a dry/ventilated area above ground level (not in direct contact with the ground).
- Cover the boards with plastic sheets.
- Avoid direct rain or sunlight.
- Avoid cracking or damaging the boards during installation.

H3

DOVA BOARD™

MR H3 IS A MOISTURE RESISTANT BOARD

Packing Details

Thickness	12.5 mm	15 mm	18 mm
Boards per Pallet	60	54	54

Board width (mm)	Board length (mm)	Pallet stack Height pack
1200	2400	4

Pallets Details

Pallets Size:
1220 x 2000 mm
1220 x 2400 mm
1220 x 3000 mm
According length of board.

E-GREEN PALLTE

Fumigation free

Recyclable

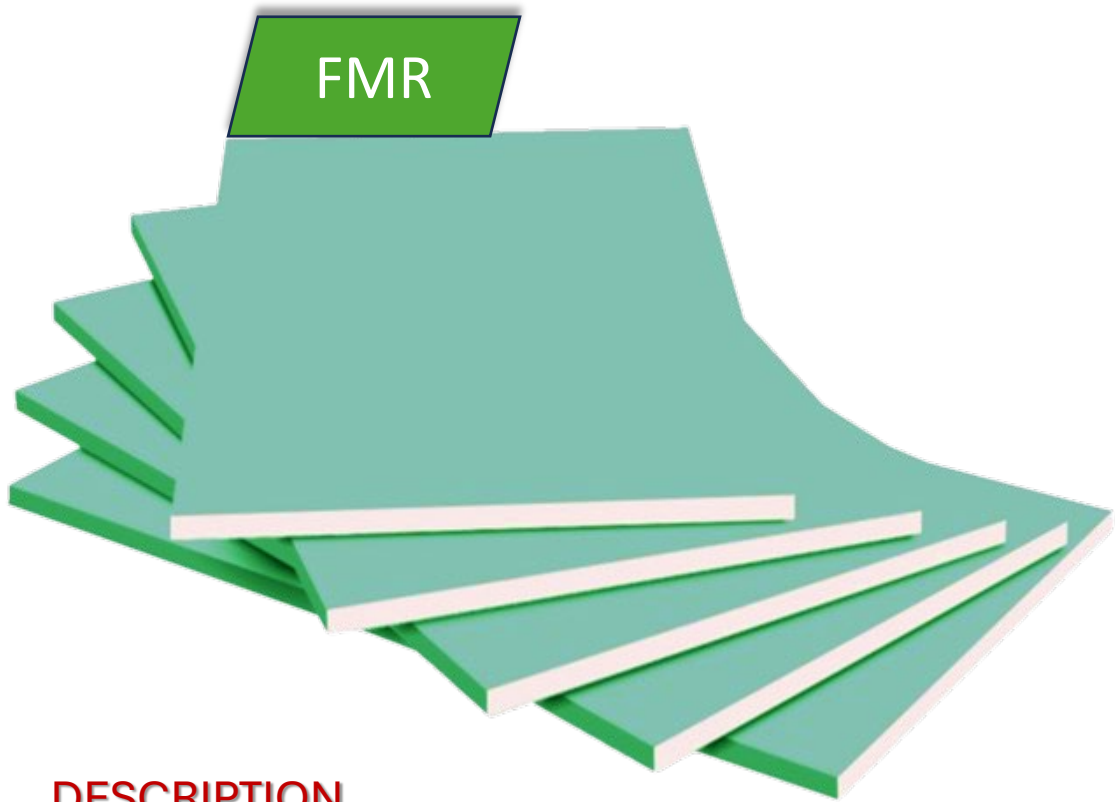Moisture resistance option

Lighter in weight

ECO FRIENDY

Advantages :
- Water resistant
- Reliable for long distances and dynamic loads
- Recyclable and green
- Lighter weight than wood and plastic pallets
- Half the price of the standard wooden pallets
- Excellent for export
- Hassle free
- Super strong and can withstand lousy forklift handling

FMR IS FIRE & MOISTURE RESISTANT BOARD

DOVA BOARD™

FMR

DESCRIPTION

FMR is a fire and moisture resistant gypsum board with fiberglass and silicon oil in the core.

FMR has the combined properties of FR and MR. It has a green paper front face and a pink back face.
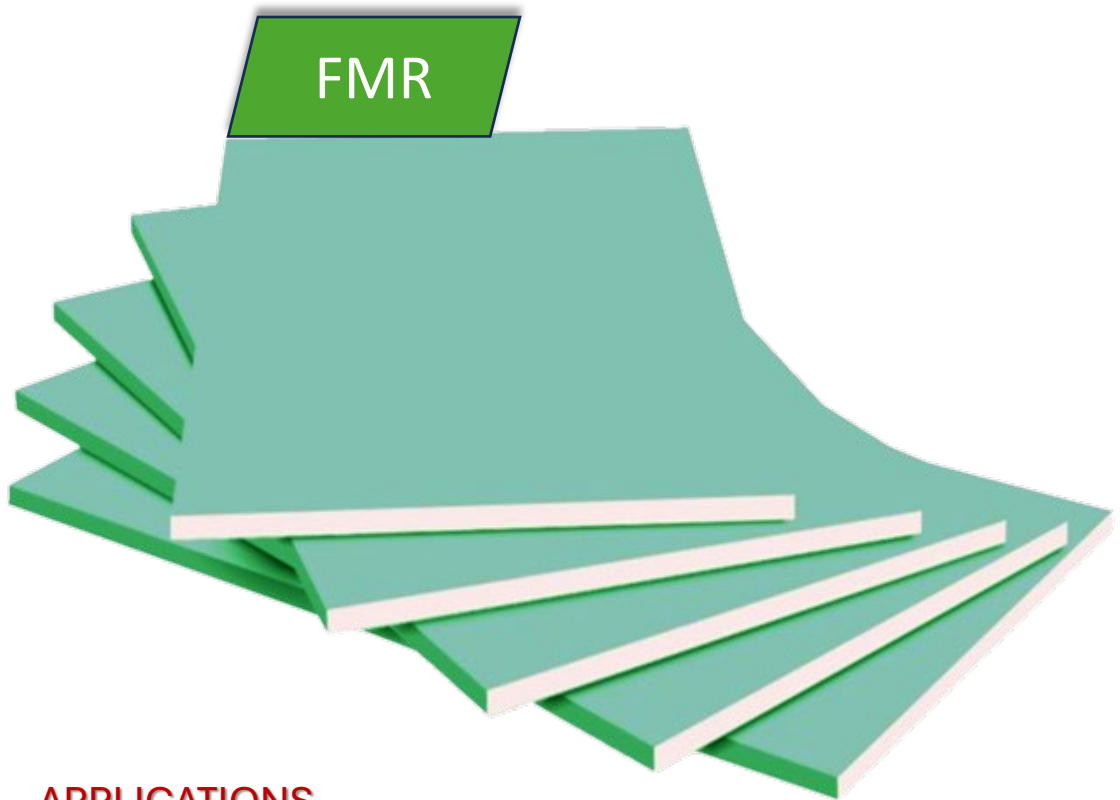
It has a wide range of applications where increased fire resistance and moisture repellency are required. Hence, FMR is highly performant in interiors exposed to both elements.

All materials are certified based on ASTM and EN standards and tested in approved laboratories.

DOVA BOARD™

FMR IS FIRE & MOISTURE RESISTANT BOARD

FMR

APPLICATIONS

- ❑ Suspended ceiling systems
- ❑ Wall claddings
- ❑ Drywall partitions
- ❑ Commercial and residential buildings
- ❑ Shaft walls
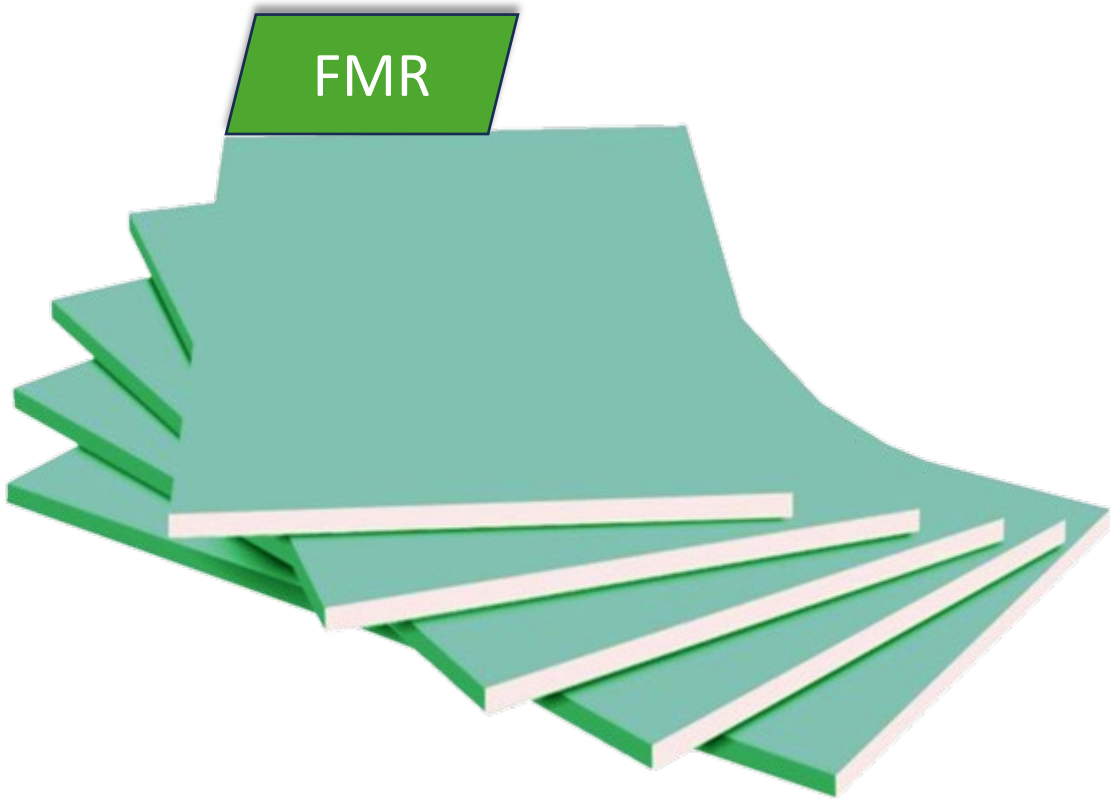- ❑ Hospitals, bathrooms, airports, kitchens...

FEATURES

- ❑ High fire resistance
- ❑ Hydrophobic boards with anti-moisture absorption
- ❑ Easy and dry installation
- ❑ Eco-friendly
- ❑ Thermally balanced
- ❑ Suitable sound insulation

DOVA BOARD™

FMR IS FIRE & MOISTURE RESISTANT BOARD

FMR

PROPERTIES

SURFACE FINISHING	EDGE TYPES	STANDARDS	DIMENSIONS
Painted (water or oil base paint)	Squared edge	ASTM C 1396	Width 1200mm 1220mm
Cladding (wallpaper, vinyl, wood…)		ASTM C 473	
		ASTM C 518	Length 2000mm, 2400mm, 2440mm, 2500mm, 3000mm
Joint filling with All Purpose Joint Compound	Tapered edge	ASTM E 84	Thicknesses 8.0mm, 9.5mm 12.5mm, 15mm, 15.9mm, 18mm

*Varying dimensions available upon request

Fire resistance

Moisture resistant

Eco-friendly

Lightweight

DOVA BOARD™

FMR IS FIRE & MOISTURE RESISTANT BOARD

PHYSICAL SPECIFICATIONS

SPECIFICATIONS	UNIT	VALUE	STANDARD
Thickness	mm	12.5	ASTM C 1396
Density	Kg/m³	764.84	ASTM C 1396
Weight per unit area	Kg/m²	9.48	ASTM C 1396
Tolerance of length	mm	2402	ASTM C 1396
Tolerance of width	mm	1201	ASTM C 1396
Tolerance of thickness	mm	12.5	ASTM C 1396
Depth of taper	mm	1.26	ASTM C 1396
Width of taper	mm	43.7	ASTM C 1396
Squareness of edges	mm	1.5	ASTM C 1396
Core hardness	N	270	ASTM C 1396
Edges hardness	N	212	ASTM C 1396
Ends hardness	N	247	ASTM C 1396
Flexural breaking load long edge	N	504	ASTM C 1396
Flexural breaking load short edge	N	231	ASTM C 1396
Nail pull strength	N	379	ASTM C 1396
Bending radius	mm	1905	ASTM C 1396
Humidified deflection	mm	1.4	ASTM C 1396
Thermal conductivity	W/m.K	0.1694	ASTM C 518
Water absorption	%	3.8	ASTM C 1396
Flame spread index (FSI)	-	5	ASTM E 84
Smoke development index (SDI)	-	15	ASTM E 84

RECOMMENDATION
- Cutting and scoring are completed from the front face of the board.
- Use phosphate plated self-tapping screws with a metal frame <0.7mm for board fixing.
- Use phosphate plated self-drilling for a metal frame >0.7mm for board fixing.
- Vertical screw spacing for the first layer of gypsum is 25cm, 50cm for the second, and 75cm for the third.
- It is recommended to use Gcoat™ All Purpose Joint Compound to treat joints or for skim coating.

STORAGE AND HANDLING
- Avoid contact with water.
- Store in a dry/ventilated area above ground level (not in direct contact with the ground).
- Do not expose the board to extremely high temperatures (50°C) for prolonged periods of time.
- Cover boards with plastic sheets.
- Avoid direct rain or sunlight.
- Avoid cracking or damaging the boards during installation.

FMR IS FIRE & MOISTURE RESISTANT BOARD

DOVA BOARD™

Packing Details

Thickness	12.5 mm	15 mm	18 mm
Boards per Pallet	60	54	54

Board width (mm)	Board length (mm)	Pallet stack Height pack
1200	2400	4

Pallets Details
Pallets Size:
1220 x 2000 mm
1220 x 2400 mm
1220 x 3000 mm
According length of board.

E- GREEN PALLTE

Fumigation free   Recyclable   Moisture resistance option   Lighter in weight   ECO FRIENDY
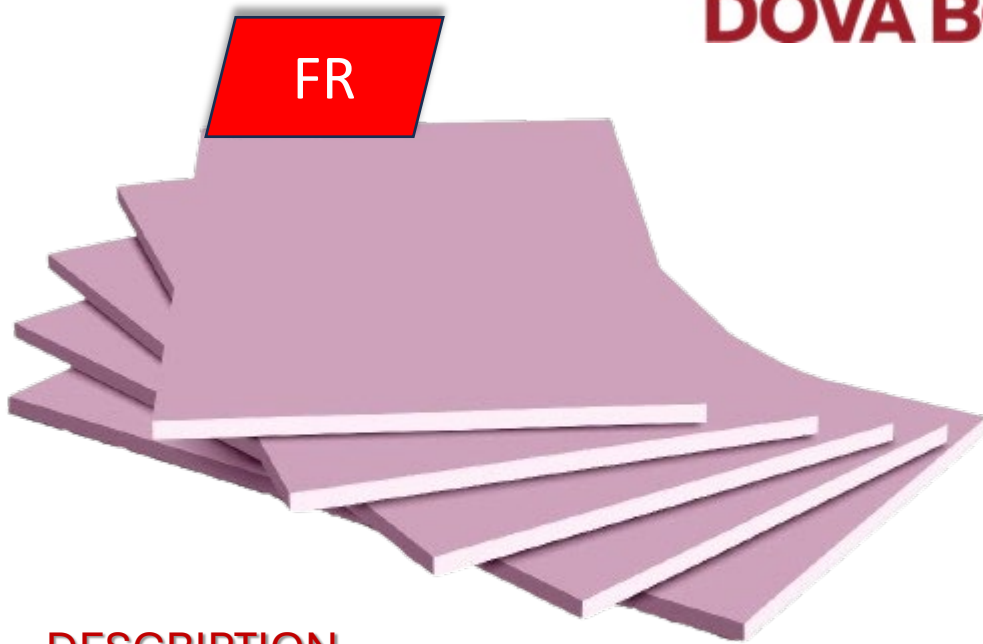
Advantages :
- Water resistant
- Reliable for long distances and dynamic loads
- Recyclable and green
- Lighter weight than wood and plastic pallets
- Half the price of the standard wooden pallets
- Excellent for export
- Hassle free
- Super strong and can withstand lousy forklift handling

FIRE RESISTANT BOARD FR.

FR

DOVA BOARD

DESCRIPTION

FR is a fire-resistant gypsum board reinforced with fiberglass. The fiberglass acts as a retardant and protection to the board, improving the performance of the system when exposed to fire.
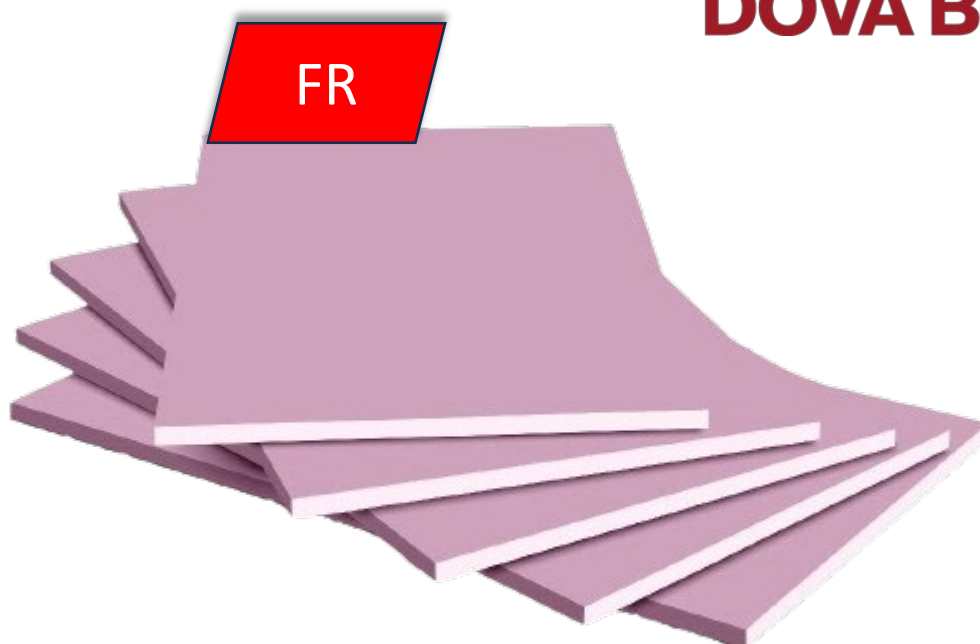
FR has a pink colour paper face.

FR is used in indoor areas such as internal walls and ceiling applications where improved fire protection is needed.

All materials are certified based on ASTM and EN standards and tested in approved laboratories.

FIRE RESISTANT BOARD FR.

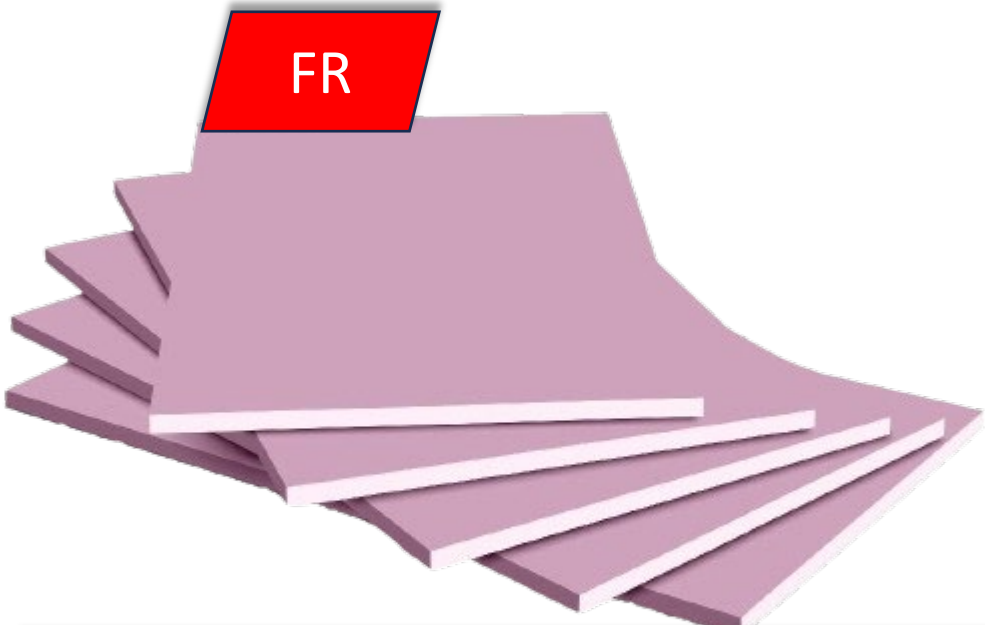**FR**

DOVA BOARD™

APPLICATIONS

- ❑ Fire-rated partitions
- ❑ Suspended ceiling systems
- ❑ Wall linings
- ❑ Shaft wall encasements
- ❑ Wall dressings
- ❑ Escape areas
- ❑ Commercial and residential buildings

FEATURES

- ❑ Fire resistance
- ❑ Low flame spread and smoke development
- ❑ Suitable sound insulation
- ❑ High surface quality
- ❑ High strength
- ❑ High resistance to cracks

FIRE RESISTANT BOARD
FR.

FR

DOVA BOARD™

PROPERTIES

SURFACE FINISHING	EDGE TYPES	STANDARDS	DIMENSIONS
Painted (water or oil base paint)	Squared edge	ASTM C 1396	Width 1200mm 1220mm
Cladding (wallpaper, vinyl, wood…)		ASTM C 473	Length 2000mm, 2400mm, 2440mm, 2500mm, 3000mm
Joint filling with All Purpose Joint Compound	Tapered edge	ASTM E 84	Thicknesses 8.0mm, 9.5mm 12.5mm, 15mm, 15.9mm, 18mm
		ASTM C 518	
			*Varying dimensions available upon request

Fire resistance

Eco-friendly

Low smoke development

Lightweight

FIRE RESISTANT BOARD
FR.

DOVA BOARD™

PHYSICAL SPECIFICATIONS

SPECIFICATIONS	UNIT	VALUE	STANDARD
Thickness	mm	12.5	ASTM C 1396
Density	Kg/m³	713.77	ASTM C 1396
Weight per unit area	Kg/m²	8.83	ASTM C 1396
Tolerance of length	mm	2399	ASTM C 1396
Tolerance of width	mm	1200	ASTM C 1396
Tolerance of thickness	mm	12.5	ASTM C 1396
Depth of taper	mm	1.27	ASTM C 1396
Width of taper	mm	41.76	ASTM C 1396
Squareness of edges	mm	1.2	ASTM C 1396
Core hardness	N	215	ASTM C 1396
Edges hardness	N	186	ASTM C 1396
Ends hardness	N	209	ASTM C 1396
Flexural breaking load long edge	N	509	ASTM C 1396
Flexural breaking load short edge	N	219	ASTM C 1396
Nail pull strength	N	361	ASTM C 1396
Bending radius	mm	1920	ASTM C 1396
Humidified deflection	mm	1.3	ASTM C 1396
Thermal conductivity	w/m.k	0.1681	ASTM C 518
Flame spread index (FSI)	-	0	ASTM E 84
Smoke development index (SDI)	-	0	ASTM E 84

RECOMMENDATION

- Cutting and scoring are completed from the front face of the board.
- Use phosphate plated self-tapping screws with a metal frame <0.7mm for board fixing.
- Use phosphate plated self-drilling for a metal frame >0.7mm for board fixing.
- Vertical screw spacing for the first layer of gypsum is 25cm, 50cm for the second, and 75cm for the third.
- It is recommended to use Gcoat™ All Purpose Joint Compound to treat joints or for skim coating.

STORAGE AND HANDLING

- Avoid contact with moisture.
- Store in a dry/ventilated area above ground level (not in direct contact with the ground).
- Do not expose the board to extremely high temperatures (50°C) for prolonged periods of time.
- Cover boards with plastic sheets.
- Avoid direct rain or sunlight.
- Avoid cracking or damaging the boards during installation.

DOVA BOARD™

FIRE RESISTANT BOARD
FR.

Packing Details

Thickness	12.5 mm	15 mm	18 mm
Boards per Pallet	60	54	54

Board width (mm)	Board length (mm)	Pallet stack Height pack
1200	2400	4

Pallets Details
Pallets Size:
1220 x 2000 mm
1220 x 2400 mm
1220 x 3000 mm
According length of board.

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FMR IS FIRE & MOISTURE RESISTANT BOARD

Packing Details

Thickness	12.5 mm	15 mm	18 mm
Boards per Pallet	60	54	54

Board width (mm)	Board length (mm)	Pallet stack Height pack
1200	2400	4

Pallets Details

Pallets Size:
1220 x 2000 mm
1220 x 2400 mm
1220 x 3000 mm
According length of board.

Fumigation free

Recyclable

Moisture resistance option

Lighter in weight

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DOVA BOARD™

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