

USG MIDDLE EAST FIRE RATED (FR) GYPSUM BOARD



FEATURES & BENEFITS

- USG ME Fire rated (FR) Gypsum Board is a specifically formulated fire-resistant core gypsum board providing an ideal solution for projects where specific fire- resistance ratings are required in partition wall and ceiling systems.
- USG ME Fire rated (FR) Gypsum Board recommended to be installed with USG ME metal framing systems to provide the lightweight structure, fire and acoustic performances.
- These panels feature a noncombustible gypsum core encased in 100% recycled face and back papers that form a high strength composite design.
- The natural finish face paper is folded around the long edges to reinforce and protect the core, and the ends are cut square and even.
- The panels are classified for fire resistance as per ASTM C1396/C1396 M Type X and EN 520 Type I, F (DIN 18180/BS 1230 Part 1, Type 5)
- USG ME Fire rated (FR) Gypsum Board when used in an acoustic system can provide required levels of sound insulation to achieve specified acoustic ratings.

DESCRIPTION

USG ME Fire rated (FR) Gypsum Board is a factory produced in a standard wide 1200mm special panel for fire resistance applications. The boards are composed of a noncombustible glass-fiber reinforced gypsum core mixed with special additives, encased in a heavy natural-finish paper on the face side and a strong liner paper on the back side. The face paper is folded around the long edges to reinforce and protect the core, and the ends are square cut and finished smooth. Long edges of panels are recessed (tapered) allowing joints to be reinforced and concealed with USG Middle East sheetrock® brand Jointing Compounds.

INTENDED FOR

- Commercial or residential applications where Firestop™ panels are required
- Fire-rated wall and ceiling assemblies
- Protection of load-bearing and non-load-bearing steel-framed fire-rated walls

LIMITATIONS

1. Avoid exposure to sustained temperatures exceeding 50°C.
2. Intended for interior applications only and must be kept dry during handling and storage.
3. Exercise care and caution when lifting the panels.
4. Consult USG Middle East technical team for the framing spacing.
5. Must be stored off the ground and under cover in accordance with Gypsum Association's Handling and Storage of Gypsum Panel Products (GA-801-07)
6. Not for load-bearing design and not a structural panel.
7. Must be stored off the ground and under cover.

INTERIOR INSTALLATION

Maximum Frame Spacing Drywall Construction

Direct Application	Location	Application Method	Maximum Frame Spacing OC ¹
Single-layer	Ceilings	Perpendicular	600 mm
		Parallel	600 mm
	Sidewalls	Perpendicular or parallel	600 mm
		Parallel	600 mm
Double-layer	Ceilings	Perpendicular	600 mm
	Sidewalls	Perpendicular or parallel	600 mm

Notes:

1. Consult USG Middle East technical team for the framing spacing if fire rating required and if water-based texturing material is to be applied.

FINISHING AND DECORATING

For priming and decorating with paint, texture, or wallcovering, follow manufacturer's directions for materials used. All surfaces, including applied USG Middle East Sheetrock® Brand All Purpose Joint Compound, must be thoroughly dry, dust free, and not glossy. A prime coat of Sheetrock® Tuff-Hide Primer-Surfacer should be applied and allowed to dry before decorating when a Level 5 finish is required. To improve fastener concealment, where gypsum panel walls and ceilings will be subjected to strong artificial or natural side lighting and/or decorated with a gloss paint (eggshell, semi gloss, or gloss), the gypsum panel surface should be skim-coated with USG All Purpose Joint Compound or primed with Sheetrock® Tuff-Hide Primer-Surfacer to equalize suction before painting.

PRODUCT DATA

	USG Middle East Fire rated (FR) Gypsum Board		
Thickness	12.5 mm	15 mm	16 mm
Weight ¹ , nominal	8.9 kg/m ²	10.7 kg/m ²	11.4 kg/m ²
Lengths ²	2400 mm	2400 mm	2400 mm
Width	1200 mm	1200 mm	1200 mm
Edges	Tapered	Tapered	Tapered
Packaging	Two panels per bundle	Two panels per bundle	Two panels per bundle
Surface-burning characteristics per ASTM E84	Flame spread: < 25 Smoke development: 0 Classification: Class A	Flame spread: < 25 Smoke development: 0 Classification: Class A	Flame spread: < 25 Smoke development: 0 Classification: Class A

Notes:

1. Represents approximate weight for design and shipping purposes.
2. Other sizes available by special order.

COMPLIANCE

USG ME Fire rated (FR) Gypsum Board comply with:

- ASTM C1396/C1396 M Type X
- EN 520 Type I, F (DIN 18180/BS 1230 Part 1, Type 5)
- Surface burning in accordance with ASTM E84 gives flame spread < 25

SUSTAINABILITY

- USG ME Fire rated (FR) Gypsum Board is manufactured using 100% recycled liner paper.
- USG ME Fire rated (FR) Gypsum Board has been independently certified by Good Environmental Choice Australia (GECA) and complies with requirements of GECA 04-2011 v2 – Panel Boards Standard.
- Independently tested for VOC and formaldehyde.
- The use of USG ME Fire rated (FR) Gypsum Board may contribute credit points when assessed under various Green Star Rating Tools.
- USG ME Fire rated (FR) Gypsum Board when used in an acoustic system can provide required levels of sound insulation to achieve specified acoustic ratings.

Notice:

As we are involved in constant products development; this document information is subject to change without prior notice. Please always refer to usgme.com for the updated products information document.

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