gyproc
SAINT-GOBAIN

Gyproc® Lite RG EN Plasterboard

Technical & Safety Datasheet

First Edition

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TECHNICAL & SAFETY DATASHEET

INTRODUCTION

Characteristics

Gyproc Lite RG EN consists of an aerated gypsum core firmly bonded to strong paper liners, enhanced with additional sag-resistant additives to allow fixation at greater spans on ceiling application. This board is suitable for drylining internal surfaces including ceilings, partitions and wall linings.

Applications

It is suitable for use in Gyproc® partition, lining and ceiling systems where normal fire, structural, and acoustic levels are specified.

Board colour

Ivory face paper
Brown reverse side paper

Board printing

Reverse - Standards, date, board dimensions, edge type, certification mark, company name & logo

Board range

Thickness mm	Length* mm	Width* mm	Weight kg/m²	R Value m²K/W
12.5	2400	1200	7.2	0.08
12.5	3000	1200	7.2	0.08

other lengths, widths and thicknesses available upon request

Board edge types

T/E - for tapered and filled joints using Gyproc® jointing materials

STANDARDS

Standard code	Standard description	Standard type/section
EN 520	Gypsum Plasterboards, definitions, requirements and test methods.	Type A: Gypsum Plasterboard. Plasterboard with a face to which suitable gypsum plasters or decoration.

BOARD PERFORMANCE

Fire protection

Plasterboard linings provide good fire protection owing to the unique behaviour of the noncombustible gypsum core when subjected to high temperatures.

Fire resistance

Please refer to the appropriate WHITE BOOK product or systems section for information on the fire resistance of building elements lined with Gyproc Lite RG EN.

Reaction to fire

Standard	Performance
BS 476: Part 6: 1989 Method of test for fire propagation for products	Index of performance (I) not exceeding 12 and a sub-index (i1) not exceeding 6.
BS 476: Part 7: 1997 Surface spread of flame tests for materials.	Class 1 (both sides)
EN 520: 2004	Classified without further testing as A2-s1, d0

Thermal conductivity

0.15 W/m.K

Effect of temperature

Gyproc Lite RG EN is unsuitable for use in areas subject to continuously damp or humid conditions and must not be used to isolate dampness. Plasterboards are not recommended to be stored in temperature above 52°C for prolonged period but can be subjected to freezing condition without risk of damage.

Effect of condensation

The designers should take care to eliminate all possibility of problems caused by humidity and condensation.

INSTALLATION

General installation
It is important to observe appropriate health and safety legislation when working on site i.e. personal protective clothing and equipment, etc. The following notes are intended as general guidance only. In practice, consideration must be given to design criteria requiring specific project solutions.

Handling
Manual offloading of this product should be carried out with care to avoid unnecessary strain. For further information please refer to the Manual Handling section of the Middle East WHITE BOOK.

Cutting
This product may be cut using a plasterboard saw or by scoring with a sharp knife and snapping the board over a straight edge. Holes for switch or socket boxes should be cut out before the boards are fixed using a utility saw or sharp knife. When cutting boards, power and hand tools should be used with care and in accordance with the manufacturers' recommendations. Power tools should only be used by people who have been instructed and trained to use them safely. Appropriate personal protective equipment should be used.

Fixing
Fix boards with decorative side out to receive joint treatment or a skim plaster finish. Lightly butt boards together. Never force boards into position. Install fixings not closer than 13mm from cut edges and 10mm from bound edges. Position cut edges to internal angles whenever possible, removing paper burrs with fine sandpaper. Stagger horizontal and vertical board joints between layers by a minimum of 600mm. Locate boards to the centre line of framing where this supports board edges or ends.

FINISHING

Jointing
Gyproc® jointing materials produce durable joint reinforcement and a smooth, continuous, crack-resistant surface ready for priming and final decoration. A number of jointing specifications are available to suit the board type, method of application, and site preference.

Decoration
After the joint treatment has dried, decoration, including any decorator's preparatory work, should follow.

Repair
Minor damage - Lightly sand the surface to remove burrs and fill flush with two applications of Gyproc® Jointing Compound. When dry, decoration including any decorator's preparatory work should follow.

Deep indents resulting from impact - Check the plasterboard core to ensure that it is not shattered. If intact, apply a coat of Gyproc® Jointing Compound followed by the procedure for repairing minor damage once set/dry.

Damaged core and/or broken edges (non-fire rated or non-high impact situations only) - Remove the damaged area of core. Score the liner approximately 10mm away from the undamaged core around the damaged area, and peel the paper liner away. Apply PVA to seal the core and surrounding liner. Bulk fill the hole with Gyproc® Jointing Compound and strike off flush. Once the filler is set/dry, follow the procedure for repairing minor damage.

Extensive damage - When the damage is more extensive or the partition is fire rated or has a high impact resistant requirement, it may be necessary to replace that area of plasterboard. It is important that the replacement board is of the same type as specified and installed. Cut out the affected area back to the nearest framing member. Replace the plasterboard, accurately cutting and screw fixing the same type and thickness of plasterboard. Fill edge joints, then tape using Gyproc® Jointing Tapes and finish in the recommended way. When dry, decoration including any decorator's preparatory work should follow.

HEALTH & SAFETY

1. Identification of the substances/ preparation and company

Gyproc® Lite RG EN Plasterboard

Supplier	Saint-Gobain Gyproc Emirates Industries L.L.C ICAD 1, Mussafah Abu Dhabi United Arab Emirates P.O. Box 38983
Free Phone	+971 800 GYPROC (497762)
E-Mail	gyproc-me@saint-gobain.com

2. Hazards identification

2.1 Classification of the article

This product is **not** classified as hazardous according to CHIP.

Dust from sawing or sanding may irritate the respiratory system, skin and eyes.

3. Composition / information on ingredients

Aerated gypsum core (calcium sulphate dihydrate) encased in and firmly bonded to strong paper liners. Constituents may include minor amounts of starch, boric acid, foaming agent. Sugar and dispersing agent.

4. First aid measures

Eye contact	S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S39 - Wear eye / face protection.
Skin contact	S28 - After contact with skin, wash immediately with plenty of soap and water. S36 - Wear suitable protective clothing.
Ingestion	S62 - If swallowed, do not induce vomiting, seek medical advice immediately and show this document. S64 - If swallowed, rinse mouth with water (only if the person is conscious).
Inhalation	S51 - Only use in well ventilated areas. S63 - In case of accident by inhalation, remove casualty to fresh air and keep at rest.
General	Get medical attention if any symptoms persist.

5. Fire fighting measures

The product does not pose a fire hazard. However, some packaging materials or facings may burn.

Suitable extinguishing media - water, foam, carbon dioxide or dry powder.

6. Accidental release measures

Not applicable.

7. Handling and storage

7.1 Precautions for safe handling:

Use - Minimise dust generation when sawing or sanding in poorly ventilated places. Avoid eye contact - see Section 8 for recommended personal protective equipment, and Section 2 for hazards identification. Plasterboards will not support body weight in between rafters, joints or frame members.

Mechanical handling – The dimensions of the pallet vary depending on the product size. To avoid potentially overloading a lift truck, it is important that any effect on load centres is considered. The nominal weight of each palletised load is given within the weights table in this section of this document.

Manual handling – Sheets of plasterboard can be unwieldy, use an appropriate lifting technique. The weight of each sheet can vary between products. For manual handling purposes assume the following:

Board thickness mm	Board width mm	Board length mm	Board weight kg	Pallet weight kg
12.5	1200	2400	20.74	1866.24
12.5	1200	3000	25.92	2073.6

7.2 Conditions for safe storage, including any incompatibilities:

Storage - Store on pallets supplied in dry conditions. To maintain stability place pallets on firm level ground and ensure that stacks are both level and vertical.

NB: When working with individual boards, only work from a single pallet, not a stack.

Pallet stacking heights

The maximum stack heights on level concrete floors and vertical stacks are 4 pallets.

8. Exposure control / personal protection

Workplace exposure limit

Substance	Total inhalable	Respirable
Man Made Mineral Fibres (MMMF)	5mg/m3 (8hr TWA)	15mg/m3 (8hr TWA)
Quartz (silica)	–	0.3mg/m3 (8hr TWA)
Plaster	4mg/m3 (8hr TWA)	10mg/m3 (8hr TWA)

Personal protection

Respiratory	S51 - Use only in well-ventilated areas. S39 - Wear eye / face protection. Face masks to EN 149 FFP2.
Skin	S36 - Wear suitable protective clothing.
Eye	S39 - Wear eye / face protection. Eye protection to BS EN 166.

9. Physical and chemical properties

Appearance	Flat sheet boards with a tapered edge.

10. Stability and reactivity

No special physical conditions need to be avoided. No specific restrictions regarding incompatible materials.

11. Toxicology information

No known toxicological effects.

12. Ecological information

Stable product with no known adverse environmental effects.

13. Disposal consideration

Waste from gypsum plasterboard products is normally classified as 'non-hazardous, non-inert', is fully recyclable and is classified as EWC 17 08 02.

If you would like to recycle Gypsum plasterboard waste, we at Gyproc offer Gypsum recycling services and are happy to take segregated waste from your site.

Please refer to the Gyproc® Plasterboard Recycling brochure. Always seek advice of a trained and competent professional. Off-cuts, where

appropriate, can be used as noggings to reduce or remove recycling requirement.

Alternatively, Plasterboard waste can be disposed off at an authorized landfill site in accordance with the local waste management regulations.

14. Transport information
Not classified as hazardous for transportation.

15. Regulation information
Not classified under the CHIP regulations.

16. Other information
Control of Substances Hazardous to Health Regulations (COSHH)
The Manual Handling Operations Regulations
HSE Guidance Note EH40: Workplace Exposure Limits
Gypsum Wastes – Environment Agency Information Sheet
Gyproc Middle East WHITE BOOK
Gyproc Middle East website: www.gyproc.ae

This Safety Data Sheet does not constitute a workplace risk assessment for COSHH. There are a number of situations where the approach to manual handling of Gyproc® products should be considered. For further guidance, please refer to the Manual Handling Section of The White Book, available to download from www.gyproc.ae

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