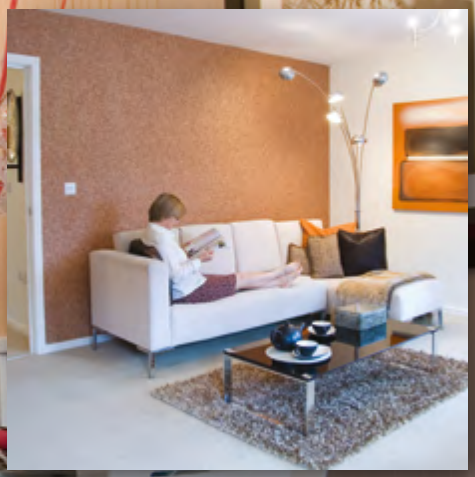
DriLyner BASIC

Drywall masonry lining systems



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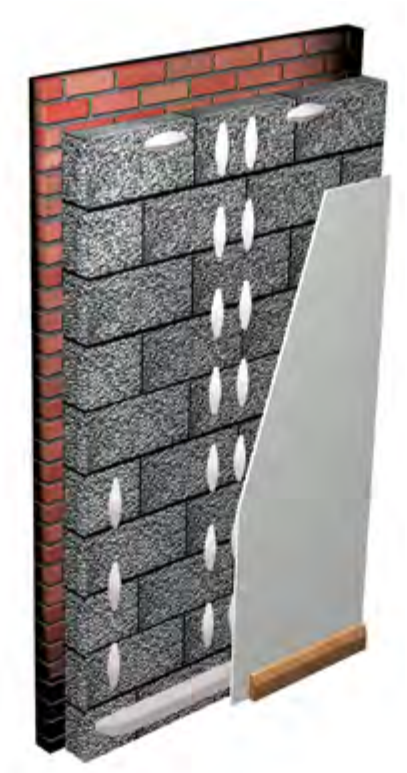
DriLyner BASIC

DriLyner BASIC system provides simple and effective techniques for drylining brick, block, and concrete walls in both new-build and refurbishment work. This systems use gypsum adhesive dabs to bond boards directly to the wall.



Key facts

- Eliminates wet trades
- Realigns substandard blockwork
- Maximizes usable floor space
- Services incorporated with minimum chasing

Applications

Lining or re-lining masonry walls.

Sector

- ✓ Office / commercial
- ✓ Retail
- ✓ Sport and leisure
- ✓ Education
- ✓ Apartment buildings
- ✓ Healthcare
- ✓ Industrial
- ✓ Villa residential

System components

Board products

Gyproc Regular Board[2]

Thickness	12.5, 12.7, 15, 15.9mm
Width	1200mm

Gyproc DuraLine[1, 2]

Thickness	15, 15.9mm
Width	1200mm

[1] Moisture resistant (MR) versions of the above boards are specified in intermittent wet use areas, e.g. shower cubicles.

[2] Available with Activ'Air and M2TECH technology.

Fixing and finishing products

Gyproc Drywall Screws
For fixing boards to Gypframe metal framing less than 0.8mm thick.

Gyproc Sealant
For sealing air gaps in systems to maintain optimum acoustic performance.

Gyproc Plasterboard Adhesive
For direct fixing plasterboards to brick, block-work or cementicious backgrounds.

Gyproc Jointing Compound
For seamless jointing.

GypFine Board Skim Plaster
For skimming plasterboard surfaces to Q4/L5 finish.

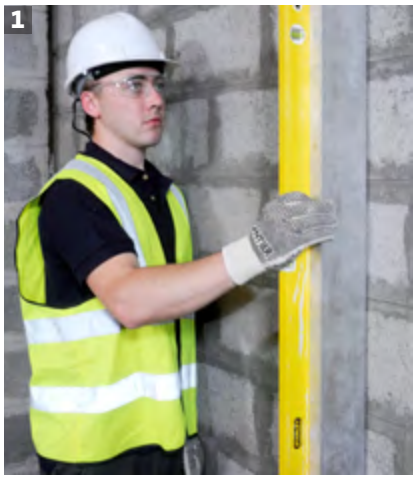
Gyproc Paper Tape
For joint reinforcement.

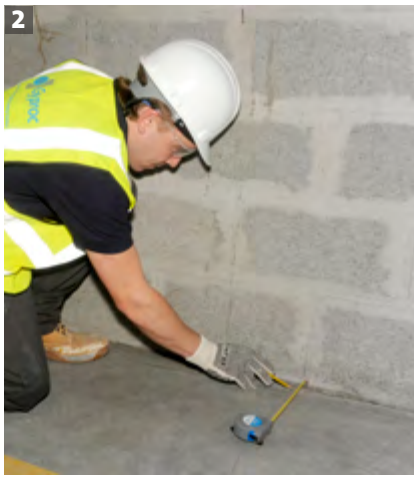
Gyproc Fibre Tape
For joint reinforcement.

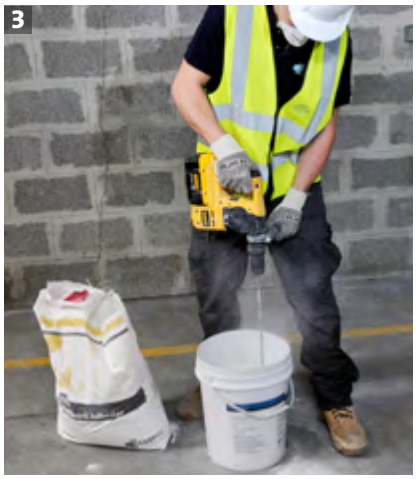
FUTURE PROOF

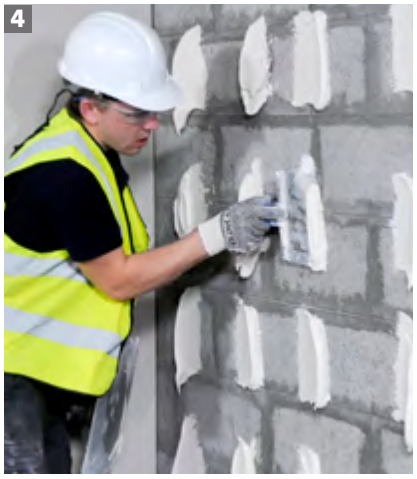
Eligible for the
SpecSure warranty
from Gyproc

Installation overview









Setting out lines are marked on the floor and ceiling allowing for high spots, a minimum 10mm and maximum 25mm drylining cavity and the thickness of board.

The wall is marked with lines at 1200mm centres to indicate board positioning.

Drylining is commenced from a window / door reveal or internal angle and adhesive dabs applied in three or four rows (as appropriate) to receive the first board, together with intermediate dabs at ceiling level and a continuous band of adhesive at skirting level.

A continuous fillet / ribbon of Gyproc Plasterboard Adhesive is applied to the wall perimeter and around all services and openings as board fixing proceeds. This is particularly important if the lining is designed to act as an air barrier to achieve building airtightness.

The boards are positioned with the bottom edge resting on plasterboard packing strips. Boards are 'tapped' into position, lifted tight to the ceiling using a footlifter and supported until the adhesive sets. Further boards are installed, lightly butted together, to complete the lining.

Performance

Fire protection
Gyproc Plasterboard is designated a 'material of limited combustibility'

Sound insulation
Airtightness is essential for optimum sound insulation. Whilst most junctions will be sealed by standard installation and finishing processes, gaps at the base of the wall and other small air paths can be sealed using Gyproc Sealant.

Design

Planning - key factors
The position of services should be pre-determined and their installation planned into the construction stage.

In general, a minimum allowance of the total board thickness plus , 10mm for DriLyner BASIC should be made from the high point of the background to the face of the lining. This will determine the lining dimension required at door and window reveals and soffits. Ceilings should be installed prior to the application of DriLyner linings, ensuring that the boards are cut close to the wall.

Interior partitions abutting the inner leaf of the external wall should also be installed prior to installation of DriLyner lining where acoustic performance is a key consideration. This helps to reduce flanking transmission.

Cavity barriers
Building Regulations may require the provision of vertical cavity barriers to long runs of lining. A suitable cavity barrier can be formed using a continuous vertical line of dabs running down the centre of a board.

Backgrounds
DriLyner linings should only be installed to backgrounds that are reasonably dry and protected from the weather.

In the DriLyner BASIC system, linings can be fixed directly to low, medium, and high suction masonry, as well as pre-cast and in-situ normal ballast aggregate concrete, using Gyproc Plasterboard Adhesive. Concrete backgrounds must be free of shutter-release agents and will need to be brushed down to remove dust, and slightly dampened with a wet brush prior to applying adhesive dabs. Concrete which is exceptionally dense or smooth, or made with limestone, brick or granite aggregates, should be pre-treated, with suitable PVA which should be applied in bands to correspond with the adhesive dab centres and in accordance with Gyproc's application instructions.

Variations in moisture content of the background will lead to differences in its suction characteristics. When these are extreme, either with slow drying conditions, or dry, hot conditions, care must be taken. If wet, allow the backgrounds to dry out. In dry, hot conditions, care should be taken to avoid rapid loss of moisture prior to the set of the adhesive.

When a considerable quantity of moisture may be present in the building, due to the condition of the building fabric or to prolonged damp weather, consideration should be given to the use of dehumidifiers or appropriate heating and ventilation to speed up the drying-out process. Installation of the lining before the building is adequately dry can have an adverse effect on both the building and the lining itself.

Notes