DriLyner Dab
Identification

Create beautiful and well insulated spaces with our direct linings system.

DriLyner Dab is a lining system for masonry and plastered backgrounds. Simply fix Gyproc plasterboards or Gyproc ThermaLine directly using Gyproc DriWall Adhesive or Gyproc Sealant. With our range of Gyproc ThermaLine laminates, you can achieve U-values that suit different project requirements. The system prevents thermal bridging using non-metallic adhesive dabs.

This system can be skim finished with ThistlePro® PureFinish which contains ACTIVair®. ACTIVair makes indoor air healthier by eliminating up to 70% of formaldehyde present in indoor air.

ACTIV air

U-values
0.35-0.17
W/m²K

Why specify DriLyner Dab?

Allows you to fix Gyproc plasterboards or Gyproc ThermaLine directly to masonry or plastered backgrounds

Install Gyproc ThermaLine onto existing plastered surfaces providing they're sound and free of damp

Requires minimal chasing when installing services

Achieves a wide range of U-values using Gyproc ThermaLine

Reduces thermal bridging using non-metallic gypsum adhesive dabs and thermally-broken fixings

Saves space with a narrow design

Allows you to conceal minor surface irregularities within the drylining cavity formed by the gypsum adhesive dabs

SpecSure®
BRITISH GYPSUM SYSTEMS WARRANTY

There are specifications within these systems that qualify for our **SpecSure**® warranty. For more information see **british-gypsum.com/specsure**

For illustrative purposes only.

Wall linings

DriLyner Dab

Design considerations

When using Gyproc ThermaLine on DriLyner Dab systems, insert two British Gypsum Nailable Plugs at mid-height (one per long board edge) as a secondary mechanical fixing.

Condensation and water vapour resistance

Gyproc WallBoard, Gyproc ThermaLine Plus and PIR offer significant resistance to water vapour transmission. Applying two coats of Gyproc Drywall Sealer to Gyproc WallBoard, Gyproc Moisture Resistant or Gyproc ThermaLine Basic after installation and jointing, will provide a water vapour resistance of at least 15MNs/g. Doing this, or using a vapour control layer (VCL), significantly reduces the risk of interstitial condensation. It is important, particularly in new buildings, that external walls are properly dried out before a VCL is installed, otherwise moisture may be trapped, impairing performance.

Best practice

Apply a continuous coat of 6mm Gyproc SoundCoat Plus to the face of the masonry before the installation of DriLyner systems. This will seal hidden air paths often found in mortar joints between blocks or bricks. Do not trowel smooth to improve acoustic performance.

Solid masonry wall – internal insulation

With reference to hygrothermal properties of building components within modelling software, and to comply with BS 5250, we recommend you seek specialist guidance, before installing internal insulation to solid masonry walls, to determine the effects of condensation and moisture within the building fabric. Refer to BS 5250 ‘Management of moisture in buildings. Code of practice’ and BS EN 15026 ‘Hygrothermal performance of building components and building elements - assessment of moisture transfer by numerical simulation’.

PAS 2035: 2019 requires a Retrofit Assessment to be carried out. These include an Energy Assessment, an Occupancy Assessment and a Condition Assessment. A qualified Retrofit Assessor should assess whether the proposed internal wall insulation (IWI) system is suitable for specific wall constructions, e.g. solid masonry and more specifically it’s water absorption properties. External climate conditions, exposure to wind-driven rain, solar gain and the physical properties of the brick/stone are the main parameters for assessing hygrothermal performance. It is the Assessor's responsibility to determine suitability of installing IWI to solid masonry walls.

Planning — key factors

Predetermine the positioning and installation of service penetrations and heavy fixtures before the installation stage. Ensure any penetrations through the substrate is suitably fire stopped (by others). In general, make an allowance of the total board thickness plus minimum 10mm (12mm when plastered), from the high point of the background to the face of the lining. This will determine the lining dimension needed at door and window reveals and soffits. Install ceilings before installing DriLyner Dab, ensuring that the boards are cut close to the wall.

Install interior partitions abutting the inner leaf of the external wall before installation DriLyner lining, where fire and acoustic performance are key. This will help reduce flanking transmission. If Gyproc WallBoard Duplex is specified, use the DriLyner Fix system. When using DriLyner Dab on pre-plastered walls, surfaces must be reasonably flat, dry, sound, or fair-faced concrete, brick, or block walls. Or, if the surface is friable, consider using a mechanically fixed system such as GypLyner Single.
See page 6.27.

Backgrounds

Only install DriLyner linings on backgrounds that are protected from the weather.

Where the wall is not pre-plastered, fix linings directly to low, medium, and high suction masonry, as well as pre-cast and in-situ normal ballast aggregate concrete, using Gyproc DriWall Adhesive. Concrete walls must be free of release agents and will need to be brushed down to remove dust, and slightly dampened with a wet brush before applying adhesive dabs. Concrete which is exceptionally dense or smooth, or made with limestone, brick or granite aggregates, should be pre-treated with Thistle Bond-it, applied in bands to correspond with the adhesive dab centres and in accordance with our application instructions. Linings can be fixed directly to plastered wall surfaces or to reasonably flat, solid backgrounds of brick, block, or fair-faced concrete, using Gyproc Sealant. Variations in moisture content will lead to differences in its suction characteristics. Take extra care when these are extreme, either with slow drying conditions, or dry, hot conditions. If wet, allow the backgrounds to dry out. In dry, hot conditions, take care to avoid rapid loss of moisture before the set of the adhesive.

When a considerable quantity of moisture is present in a building, due to the condition of the building fabric or to prolonged damp weather, consider dehumidifiers or appropriate heating and ventilation to speed up the drying-out process. Installing linings before the building is dry can have adverse effects on both the building and the lining. When installing DriLyner linings to composite wall structures consisting of concrete columns with masonry infills, apply dabs of adhesive to the masonry only and avoid contact with the columns. This will reduce. the likelihood of cracking of the finished lining down to differential movement.

Adhesive dabs

Apply dabs in a regular pattern in accordance with BS 8000-8 to give a minimum area of contact between board and background of 20%.

Services

Use cavities between the wall and the lining to incorporate services. This minimises the depth of chasing required in the wall. Fix pipes and conduits in position before lining work commences. Install gas pipes in accordance with BS 6891, which requires pipes to be fully encased, e.g. using Gyproc DriWall Adhesive. Maintain an airtight construction through any penetration through the lining by sealing as necessary as the services are being installed. Do not chase the laminates insulating backing to accommodate services. PVC covered cables must not come into direct contact with polystyrene insulation. Suitable isolation methods such as conduit or capping should be used. Carry out the installation of electrical services in accordance with BS 7671.

Looking for performance selection tables?

We’re committed to providing technical information that is transparent, clear, accurate, and always up-to-date. So you can rely on it when making decisions at any stage of the design, specification, installation, use, maintenance and disposal process.

All performance data is now available to view and download on our website.

british-gypsum.com/drilyner-dab

DriLyner Dab
Design considerations

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.

Important note

Ensure walls are damp free before installing any DriLyner system.

Thermal properties

Gyproc linings are relatively lightweight and have a low thermal capacity. In conditions of intermittent heating, they will warm up quickly providing comfortable conditions for the occupants, and will help reduce the risk of surface condensation. Gyproc ThermaLine PIR contains low emissivity materials which improve the thermal resistance of the adjacent drylining cavity.

Thermal performance

Uncontrolled air movement through the cavity can result in excessive heat loss. When the lining is designed to act as an air barrier to achieve airtightness, seal all perimeters to the wall and around any services and openings with a continuous ribbon of Gyproc DriWall Adhesive or Gyproc Sealant.

For further information on U-values please refer to Technical Support on **british-gypsum.com**

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.

Gyproc SoundCoat Plus is designed to improve the acoustic performance of party walls by minimising leakage through cracks and unfilled joints in the masonry. Best practice is to apply a 6mm coat of Gyproc SoundCoat Plus across the entire surface of the separating or external wall. This product should not be trowelled smooth.

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Fixtures

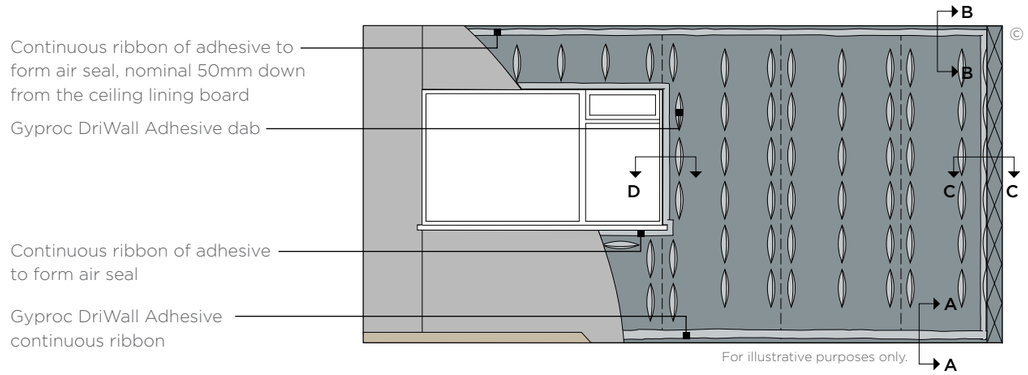
Lightweight fixtures can be made directly to the lining. For heavier fixtures, the fixing used should be long enough to bridge the drylining cavity, adequately penetrating the solid wall. Refer to Service installations in system design principles on **british-gypsum.com.**

Tiling

Tiling should only begin seven days after installation. Refer to **british-gypsum.com** for our full range and guidance on our tiling-related products.

DriLyner Dab
Construction details

1. Wall elevation
Gyproc WallBoard 9.5mm and 12.5mm thick, 900mm wide



For illustrative purposes only.

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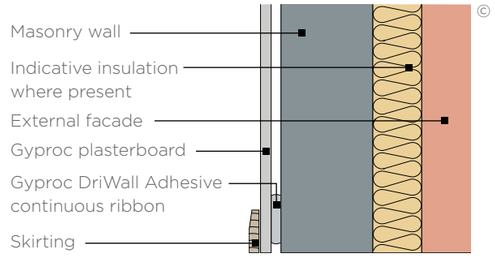
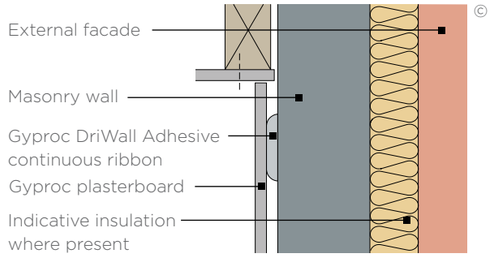


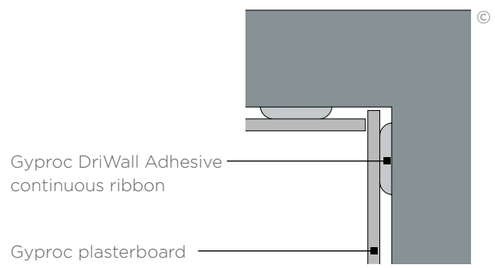
For illustrative purposes only.

1b. Section B-B



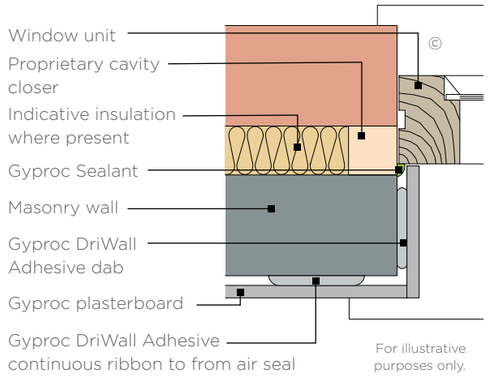
For illustrative purposes only.

1c. Section C-C



For illustrative purposes only.

1d. Section D-D

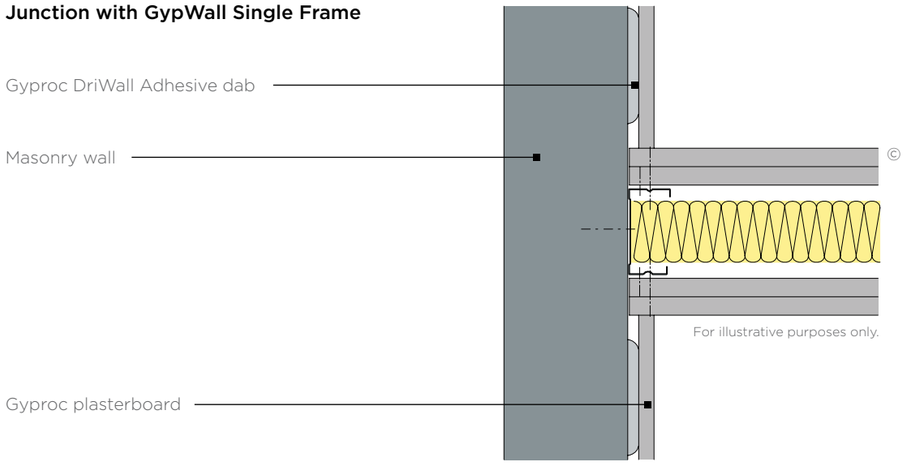


For illustrative purposes only.

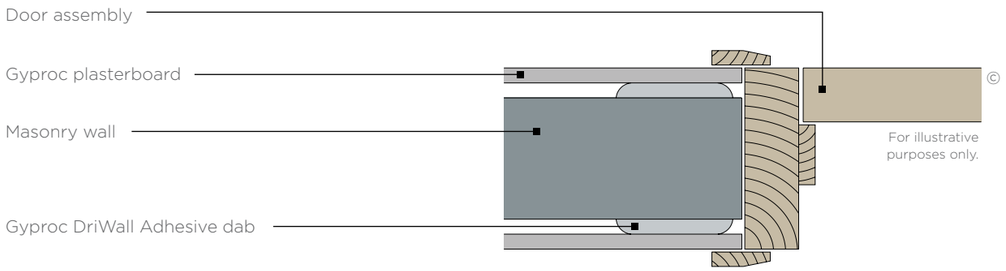
DriLyner Dab

Construction details

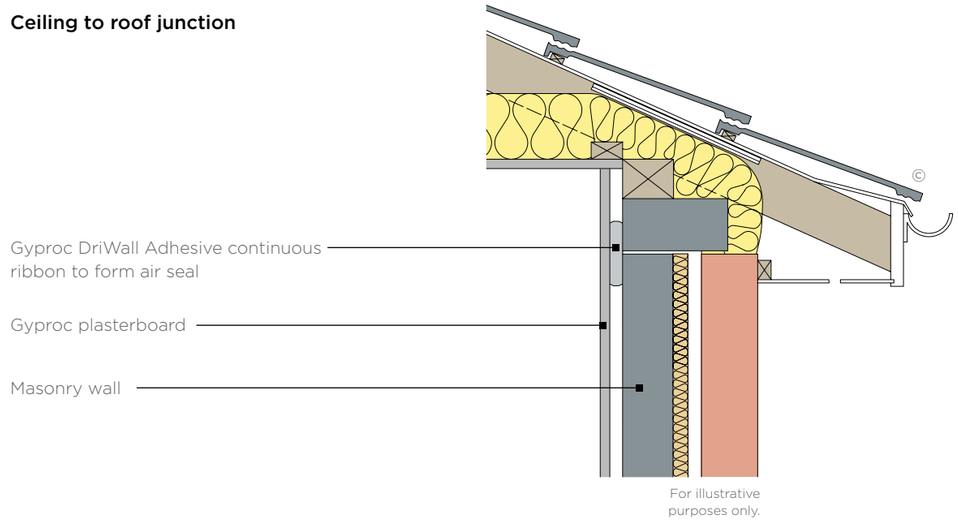
2. Junction with GypWall Single Frame



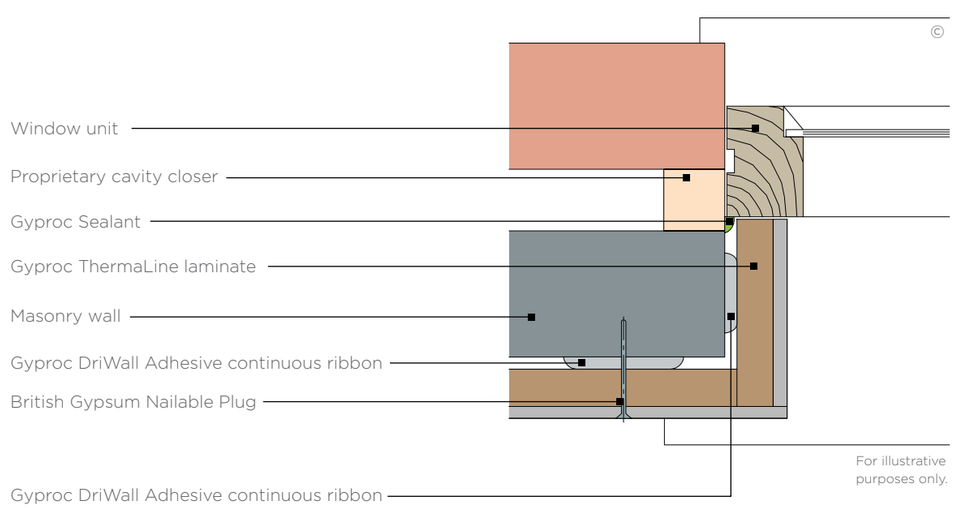
3. Door frame



4. Ceiling to roof junction



5. Window reveal additional detailing



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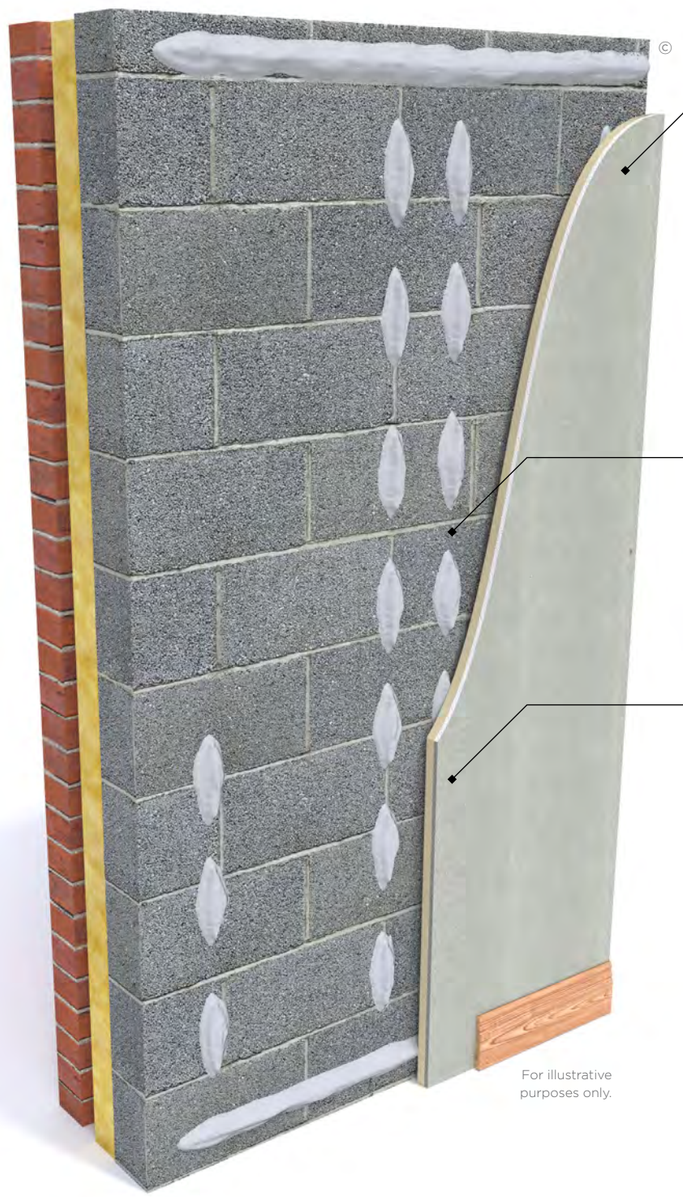
Wall linings

DriLyner Dab

System components

Create beautiful and well insulated spaces with our DriLyner Dab direct linings systems



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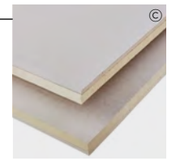
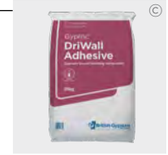
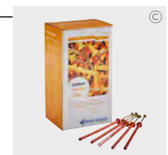


Gyproc ThermaLine PIR
Gyproc ThermaLine PIR is a gypsum plasterboard with vapour control layers bonded to high performance polyisocyanurate foam insulant to reduce the risk of condensation. Use it in refurbishment and new build for walls, ceilings and room in the roof where a high level of cost effective thermal insulation is needed to reduce heat loss from buildings.



Gyproc DriWall Adhesive
Gyproc DriWall Adhesive is a gypsum-based bonding compound for "dot and dab" fixing of plasterboards to masonry backgrounds. Use it to direct bond plasterboards and thermal laminates to masonry walls with high, medium or low suction.



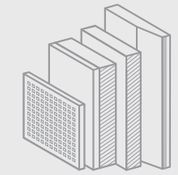
British Gypsum Nailable Plugs
British Gypsum Nailable Plugs are designed to make thermal laminate linings in the DriLyner Dab systems more secure. The easy-fix plug combines a strong masonry nail and a plastic wall fixing with an expanding tip for simple installation. It also features a countersunk head for a smooth, flat finish.

SpecSure®
BRITISH GYPSUM SYSTEMS WARRANTY

There are specifications within these systems that qualify for our **SpecSure®** warranty. For more information see **british-gypsum.com/specsure**

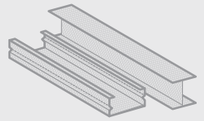
Careful product choice is central to maintaining system integrity, performance requirements and eligibility for our **SpecSure®** warranty. **Ensure an optimum standard of build by considering...**

What are you fixing?



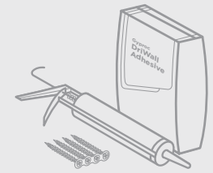
Our market leading range of plasterboards and thermal laminates for Wall lining systems within any building type. See **british-gypsum.com** for more details.

What are you fixing to?



Our Gypframe metal profiles provide a strong and versatile structure for wall lining systems. See **british-gypsum.com** for more details.

What are you fixing with?



Our DriWall Adhesives, Sealants and fixings offer guaranteed compatibility with our wall lining systems, and are rigorously tested to meet the highest quality standards. See **british-gypsum.com** for more details.

What are you finishing with?

Plaster

Our wide range of Thistle plasters and Thistle accessories give you everything you need to finish a job to the highest possible standard. See **british-gypsum.com** for more details.

Finishing products

Our Gyproc jointing range gives you everything you need to complete a wall lining system, whatever the size and complexity of the project see **british-gypsum.com** for more details

Where defined performance requirements are needed see our White Book Specification Selector on british-gypsum.com

Wall linings

DriLyner Dab
Installation

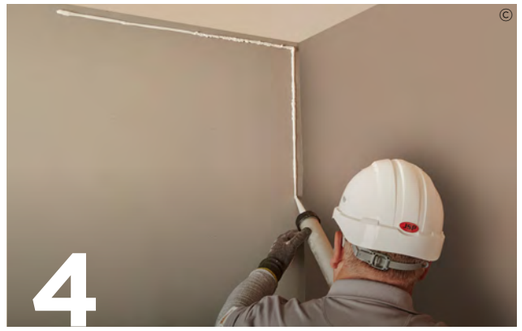
Within the DriLyner Dab system there are two application methods designed for differing backgrounds. Please see specific details for more information.

The information below is intended to be a basic description of how the system is built.

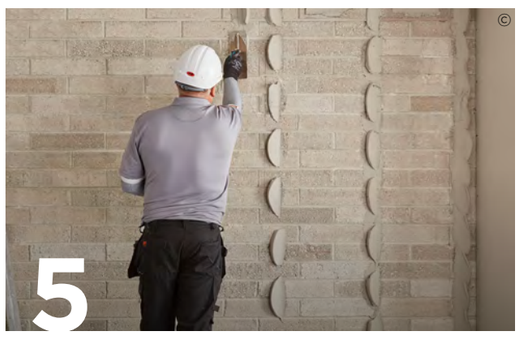
Apply Gyproc SoundCoat Plus in a continuous 6mm coat to the entire surface of the external or separating walls for optimum air tightness and acoustics. Allow Gyproc SoundCoat Plus to set before applying of DriLyner Dab using Gyproc DriWall Adhesive.

Mark the board edge positions on the wall or plasterboard to aid the correct and accurate application of the chosen DriLyner Dab system.

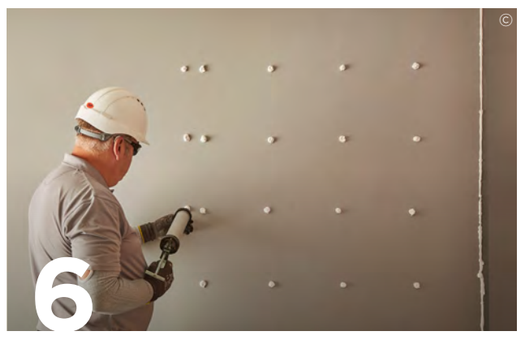
When fixing directly to masonry backgrounds Gyproc DriWall Adhesive is applied in a continuous ribbon to the wall perimeter and around all services and openings. This is particularly important if the lining is designed to act as an air barrier to achieve building airtightness.



When fixing directly to *plastered* masonry backgrounds Gyproc Sealant is applied in a continuous fillet/ribbon to the wall perimeter and around all services and openings. This is particularly important if the lining is designed to act as an air barrier to achieve building airtightness.



If using Gyproc DriWall Adhesive, apply methodically in a specific dab pattern to the appropriate background, ensuring 20% coverage is obtained.



If using Gyproc Sealant, gun-apply to the wall, in blobs at 300mm centres.

Offer up boards and tap into position. Be careful to avoid creating wave and hollows.

Lift boards tight to the ceiling using a foot lifter and support until the adhesive sets.

When installing Gyproc ThermaLine in this system, insert two British Gypsum Nailable Plugs at mid-height after dabs or blobs have set.