TECHNICAL ACADEMY
SAINT-GOBAIN

# PROSPECTUS

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# INTRODUCTION

Guided by its purpose “Making the world a better home”, Saint-Gobain designs, manufactures, and distributes materials and solutions that have a positive impact on each of us to provide wellbeing, quality of life and performance.

As a worldwide leader in light and sustainable construction, our materials and system solutions can be found throughout the built environment providing comfort, performance and safety while addressing the challenges of sustainable construction, resource efficiency and climate change.

Saint-Gobain in Ireland consists of Gyproc, Isover and Weber.

Gyproc is the market leader in plaster, plasterboard and drylining systems in Ireland; manufacturing in Ireland since 1936.

Over the years, Gyproc has become a major authority in Irish construction providing innovative, cost-effective, and sustainable solutions that meet the demands of the local construction industry.

Isover has a long and proud history of supplying market-leading insulation solutions in Ireland for over 40 years. Isover seeks to develop and supply complete insulation solutions to guarantee the thermal and acoustic comfort of Irish homes and businesses.

# CONTENTS

# SAINT-GOBAIN TECHNICAL ACADEMY

We are all part of an evolving construction environment.

Modern methods of construction and new technologies are complimenting traditional forms of construction and impacting how their associated trades are expected to operate. We are seeing consistent regular improvements and changing standards in the areas of health & safety, building performance and sustainability.

This challenges all construction stakeholders to maintain their understanding of the latest methods and requirements.

Our focus at the Saint-Gobain Technical Academy is to equip building trade and design professionals with the necessary skills and key knowledge to deliver the modern building agenda.

All training delivered by the Technical Academy is provided by experienced personnel from the respective Saint-Gobain businesses in Ireland and their partners.

With longstanding expertise in providing sustainable, high performance system solutions across a wide range of building fit-out and upgrade projects over many years, our training initiatives cover a range of topics. These include energy efficiency, sustainability, compliance, fire, and sound performances in buildings and all our trainers are experts in their respective fields.

As part of Saint-Gobain's commitment to 'Make the world a better home' our courses are targeted to provide awareness, knowledge, and up-skilling opportunities to experienced industry professionals (including contractors, builders' merchants, and architects), as well as new recruits and new entrants in the construction sector.

Many of the courses are designed to help address the construction industry's current skills shortage, aid awareness of legislation compliance requirements and provide training on modern methods using lightweight and sustainable technologies and systems.

## E-LEARNING HUB

Following the introduction of the Technical Academy's digital online platform in 2020, our training portfolio includes a blend of webinars, seminars and tutorials delivered via our E-Learning Hub which compliments the more practically orientated Build Hub, where we deliver face-to-face training courses at our Dublin and Kingscourt academies.

## BUILD HUB

The Kingscourt Technical Academy forms the heart of Build Hub and leads the way with our skills focused training. This purpose-built training facility with dedicated display and demonstration areas was opened in May 2010 and has been further developed to include designated training rooms and workshops. At our Kingscourt Academy participants can avail of a wide range of skills and knowledge-based training in the application of airtightness and moisture control, insulation installation, drylining system installation and plastering.

In November 2014 we opened our second Technical Academy in Kilcarbery Business Park, Dublin. This complimentary Build Hub academy location boasts a 40-seat classroom and enhanced product, and systems display facility. Build Hub courses run at the Dublin Academy are targeted at developing attendees' knowledge across a wide range of subjects and have been extremely popular with architects, engineers, and design professionals.

As the construction industry evolves, we know we need to adapt our training initiatives to the evolving market. So, our courses are continually being developed and our portfolio expanding to keep our attendees up to date with the changing regulatory and building design requirements.

**We look forward to welcoming you to your next Saint-Gobain Technical Academy course run through our Build or E-Learning Hubs.**

BUILD HUB

# WELCOME TO THE **BUILD HUB**

At our Build Hub we have a wide range of regular training courses to upskill and educate all within the construction industry.

**NEW LINK TO BE PROVIDED**

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# nZEB IN PRACTICE

A practical overview of the latest Building Regulation standards for a building's energy efficiency

**DURATION**
**ONE DAY: 10AM TO 3PM**

**LOCATION**
**DUBLIN & KINGSCOURT**

## COURSE DESCRIPTION

Attendees of the course will attain a comprehensive overview of the fundamental requirements to achieve compliance with the latest nZEB building energy standards set out by the current Building Regulation. This course forms part of a three-part suite of complimentary courses delivered by the Technical Academy. In conjunction with our E-Learning Hub webinar "A brief but detailed look at airtightness" and Build Hub course "A practical approach to airtightness", they can provide attendees with a core understanding of the key standards and principles required to achieve and compare Nearly Zero Energy Buildings (nZEB) against certified Passive House buildings.

The course focuses on residential building and covers all aspects of the required building energy performances related to, and how Building Regulation compliance should be demonstrated. Recognising the benefits of ensuring a primarily fabric first approach to residential buildings balanced with the buildings heating and mechanical services, including contribution from renewable sources. Key topics include Insulation, Airtightness, Thermal Bridging and Ventilation. Ensuring that attendees understand the importance of integrating all elements in a coherent manner to offer high quality comfortable buildings with good levels of air quality without causing undue risks with overheating or condensation.

## ATTENDANCE REQUIREMENTS

- **Experience** – It is beneficial (but not essential) if attendees have a basic knowledge of construction principles. No previous drylining experience required.
- **PPE** – Not Required.





## COURSE CONTENT

- nZEB as a concept and a standard of energy efficiency
- Comparing nZEB to Passive
- Demonstrating compliance through DEAP
- Comparing DEAP to PHPP the basics
- Continuity is key – the interaction of insulation, airtightness and vapour control
- The importance of minimising thermal bridging
- The glazing effect – impact on performance and comfort
- Space heating, water heating and renewables
- Avoiding condensation risks
- Air quality and ventilation
- Joined up thinking, joined up approach

# A PRACTICAL APPROACH TO AIRTIGHTNESS

**DURATION**
**ONE DAY: 10AM TO 3PM**

**LOCATION**
**KINGSCOURT ACADEMY**

## COURSE DESCRIPTION

Blending our former basic theory and advanced detailing airtightness courses together as one, this face-to-face airtightness training day provides attendees with both an informative and very practical overview on how to attain airtightness and moisture management. Undertaken primarily in a workshop environment, while conveying the importance of regulation compliance and the provision of high comfort, energy-efficient buildings, we explore the nature of Saint-Gobain's specialist products used to attain these standards.

Along with common sense discussions around good site practices and the effective communication of responsibilities, attendees engage in the practical participation of key airtigtness detailing. Learning the fundamental core skills to enable effective use of airtightness membranes, tapes, and sealants to a building's internal envelope.

## ATTENDANCE REQUIREMENTS

- **Experience** – It is beneficial (but not essential) if attendees have a basic knowledge of construction principles. No previous airtightness detailing experience required.
- **Attire** – Attendees should wear suitable clothing for participating in a hands-on practical workshop environment. Sensible footwear recommended.
- **PPE** – Not Required.

## COURSE CONTENT

- Fundamental principles of airtightness in buildings
- Airtightness and moisture control acting as one
- A pathway to nZEB regulations compliance
- Practical demonstrations of critical site detailing issues
- Pressurised airtightness rig demonstration
- Identifying the common weak points in building envelopes
- Simple and effective solutions using membranes, tapes, and sealants
- Detailing windows, pipes, cables, and key penetrations
- Communication of site responsibilities





THE BUILD HUB

# A PRACTICAL DRY-LINING GUIDE TO PART B'S SUPPLEMENTARY GUIDANCE

As applicable to Volume 2 on timber framed elements.

**DURATION**
**2 HOURS**

**LOCATION**
**DUBLIN ACADEMY**

## COURSE DESCRIPTION

This course specifically focuses on how prima facie compliance may be achieved in accordance with the Supplementary Guidance to TGD B, Volume 2 when specifying and installing Gyproc plasterboard dry-lining solutions to timber framed elements in new build dwellings.

To accompany a short classroom-based presentation on the EN testing standards to which timber framed elements and their plasterboard lining solutions now need to comply, most of this course will be undertaken in our dedicated product display area.

In our display area we will visually highlight the range of plasterboards which can be deemed to satisfy as Type A and Type F, outlining what documentation can be used to underpin the nature of such qualifications. With respect to external walls, internal walls, floors and trussed rafter elements; using a series of purpose-built visual displays, the minimum required construction build-ups for each element will be detailed and demonstrated along with the respective key requirements regarding the dry-lining installation.

## ATTENDANCE REQUIREMENTS

- **Experience** - It is beneficial (but not essential) if attendees have a basic knowledge of construction principles.
- **PPE** – Not Required.

## COURSE CONTENT

- Understand the scope of the Supplementary Guidance document
- Guide to the applicable testing requirements and levels of performance
- Permissible dry lining solutions for loadbearing timber elements (Wall, Floors and Roofs)
- Qualification of appropriate Gyproc plasterboard specifications
- Key installation requirements to ensure compliance





THE BUILD HUB

# HOW TO CONSTRUCT GYPWALL PARTITIONS

**DURATION**
**ONE DAY: 10AM TO 4PM**

**LOCATION**
**KINGSCOURT ACADEMY**

## COURSE DESCRIPTION

This course is one of our practical installation courses which forms part of a series of 'How to construct' installation courses looking at the wider range of Gyproc metal framed partitions, ceilings, wall lining, and steel framed encasement systems.

During this day-long course, you will be working in small teams and instructed by one of our experienced trainers.

Participants will be given the opportunity to construct a simple GypWall partition which includes the most common details often required in site situations. Attendees will be instructed in the correct application of junction detailing, framed openings, door apertures, socket boxes and deflection heads as required to achieve Gyproc system compliance.

## ATTENDANCE REQUIREMENTS

- **Experience** – It is beneficial (but not essential) if attendees have a basic knowledge of construction principles. No previous drylining experience required.
- **Attire** – Attendees should wear suitable clothing for participating in a hands-on practical workshop environment.
- **PPE** – Safety shoes/boots, gloves and glasses must be worn during workshop activity. Attendees are requested to bring their own safety footwear. Gloves and glasses provided by the Technical Academy. Safety footwear can also be provided with prior notice to attendance.

## COURSE CONTENT

- Health & Safety
- Overview of tools, equipment, and materials
- Sizing and cutting plasterboards
- Working with Gypframe light gauge metal framing
- GypWall partition construction and sequencing
- Fundamental construction requirements
- Corners and 'T' junctions
- Openings for doors and services
- Simple deflection head detailing
- Codes of practice content and acceptable tolerances
- Avoiding common mistakes and site issues





THE BUILD HUB

# HOW TO CONSTRUCT GYPROC SHAFTWALL PARTITIONS

**DURATION**
**ONE DAY: 10AM TO 4PM**

**LOCATION**
**KINGSCOURT ACADEMY**

## COURSE DESCRIPTION

This course is one of our practical installation courses which forms part of a series of 'How to construct' installation courses looking at the wider range of Gyproc metal framed partitions, ceilings, wall lining, and steel framed encasement systems.

Gyproc ShaftWall systems are somewhat unique in both their construction requirements and performance attributes when compared to more regular Gyproc GypWall partition systems.

During this day-long course, participants will be given the opportunity to team up and construct a simple ShaftWall partition under the guidance of one of our experienced trainers. The constructed ShaftWall system will include the most common details often required in site situations, highlighting where the installation differs when compared to more traditional systems. Attendees will be instructed in the correct use of Gypframe 'I' studs and use of Gyproc CoreBoard along with the application of junctions, framed openings, door apertures, and deflection heads.

## ATTENDANCE REQUIREMENTS

- **Experience** – It is beneficial (but not essential) if attendees have a basic knowledge of construction principles. No previous drylining experience required.
- **Attire** – Attendees should wear suitable clothing for participating in a hands-on practical workshop environment.
- **PPE** – Safety shoes/boots, gloves and glasses must be worn during workshop activity. Attendees are requested to bring their own safety footwear. Gloves and glasses provided by the Technical Academy. Safety footwear can also be provided with prior notice to attendance.





## COURSE CONTENT

- Health & Safety
- Overview of tools, equipment, and materials
- Sizing and cutting plasterboards
- Working with Gypframe 'I' Studs
- ShaftWall partition construction and sequencing
- Fundamental construction requirements
- Working with Gyproc CoreBoard & installation of retaining channels
- Corners and 'T' junctions
- Openings for doors and services
- Simple deflection head detailing with additional ShaftWall requirements
- Codes of practice content and acceptable tolerances
- Avoiding common mistakes and site issues

# HOW TO CONSTRUCT GYPROC CASOLINE MF SUSPENDED CEILINGS

**DURATION**
**ONE DAY: 10AM TO 4PM**

**LOCATION**
**KINGSCOURT ACADEMY**

## COURSE DESCRIPTION

This course is one of our practical installation courses which forms part of a series of 'How to construct' installation courses looking at the wider range of Gyproc metal framed partition, ceiling, wall lining, and steel framed encasement systems.

During this day-long course, while working in small teams and instructed by one of the Technical Academy's experienced trainers, participants will be given the opportunity to construct a simple CasoLine MF ceiling which includes the most common details often required in site situations.

Attendees will be instructed on the key framing requirements and perimeter detailing for different types of plasterboard linings, along with the application of service openings for access hatches, change of levels and the forming of vertical bulkheads.

## ATTENDANCE REQUIREMENTS

- **Experience** – It is beneficial (but not essential) if attendees have a basic knowledge of construction principles. No previous drylining experience required.
- **Attire** – Attendees should wear suitable clothing for participating in a hands-on practical workshop environment .
- **PPE** – Safety shoes/boots, gloves and glasses must be worn during workshop activity. Attendees are requested to bring their own safety footwear. Gloves and glasses provided by the Technical Academy. Safety footwear can also be provided with prior notice to attendance.

## COURSE CONTENT

- Health & Safety
- Overview of tools, equipment, and materials
- Sizing and cutting plasterboards
- Working with Gypframe metal framing components
- CasoLine MF suspended ceiling construction and sequencing
- Fundamental construction requirements
- Changing framing centres for board types and ceiling weights
- Perimeter detailing
- Forming vertical elements in ceilings
- Openings for access hatches and services
- Codes of practice content and acceptable tolerances
- Avoiding common mistakes and site issues





THE BUILD HUB

# ACOUSTICS IN BUILDINGS

**DURATION**
**ONE DAY: 10AM TO 3PM**

**LOCATION**
**DUBLIN & KINGSCOURT**

## COURSE DESCRIPTION

Our 'Acoustics in Buildings' course provides attendees with an expansive overview of the key characteristics of sound performance and its measurement as assessed within buildings.

Drawing from our extensive experience and expertise in the dry-lining sector, this course uses the performance characteristics of lightweight Gyproc partition and ceiling systems to help demonstrate the key performance principles of sound insulation and attenuation in buildings.

Content related to units of measurement, related regulations and guidance will assist project teams to specify, detail and achieve required sound performances using internal dry-lining systems.

Discussing the realities of site requirements, attendees will be briefed on the common design and site issues that can cause detrimental performance against expectations and gain appreciation for specification and workmanship detailing that can help to provide high quality lower risk solutions.

## ATTENDANCE REQUIREMENTS

- **Experience** – It is beneficial (but not essential) if attendees have a basic knowledge of construction principles. No previous drylining experience required.
- **PPE** – Not Required.

## COURSE CONTENT

- Basics of sound
- Measurement of sound in the built environment
- Differences between airborne and impact sound performances
- Key design principles to achieving sound insulation
- The effect of workmanship on sound separating systems
- Regulatory and sector requirements
- Reducing reverberation and speech clarity
- Sound absorption coefficients and classification of products/systems
- Overarching design considerations





THE BUILD HUB

# FIRE PERFORMANCE IN BUILDINGS

**DURATION**
**ONE DAY: 10AM TO 3PM**

**LOCATION**
**DUBLIN & KINGSCOURT**

## COURSE DESCRIPTION

This Fire Performance in Buildings course provides attendees with a comprehensive overview of the key areas that the project specification team, installer, or site supervisor needs to consider when undertaking the specification, construction and sign off on fire related performances on the internal fit out of a building project.

With EN fire test substantiation now a requirement or desired standard in many instances, the impacts of potential solution specifications are discussed.

In a broader capacity, attendees will be briefed on the common design and site issues that may cause detrimental performances and gain appreciation for specifications and workmanship detailing that help to ensure systems can maintain their tested performances.

## ATTENDANCE REQUIREMENTS

- **Experience** – It is beneficial (but not essential) if attendees have a basic knowledge of construction principles. No previous dry-lining experience required.
- **PPE** – Not Required.

## COURSE CONTENT

- Fundamental principles of passive fire growth in buildings
- Key regulations and guidance requirements
- Differences between ratings of materials and systems
- Performances of internal dry-lining systems
- The effect of site detailing and workmanship
- Practical overview of basic dry-lining construction requirements
- Practical overview of specific dry-lining detailing requirements
- Fire protection of structural steel
- BS vs EN Fire test standards





THE BUILD HUB

# NORTHERN IRELAND BUILDING REGULATIONS

A focus on fire, sound & energy compliance

**DURATION**
**ONE DAY: 10AM TO 3PM**

**LOCATION**
**DUBLIN & KINGSCOURT**

## COURSE DESCRIPTION

Our course on Northern Ireland's Building Regulations takes a fabric-first focus and approach to outlining the relevant Building Regulations for residential buildings. Outlining the key aspects within the respective Technical Booklets (E-Fire, F1- Conservation of Fuel & Power, G- Resistance to the passage of Sound) that need to be considered to achieve Building Regulation compliance. Recent upgrades to the Building Regulations energy efficiency requirements of dwellings in 2022 highlighted as part of the overview.

Guidance will also be offered to help understand how the implications of each regulation can affect the choices of materials and systems used within the construction of a domestic dwelling and on the types of approaches, including the use of Saint-Gobain products and systems, that could be considered to demonstrate compliance with the respective sections.

## ATTENDANCE REQUIREMENTS

- **Experience** – It is beneficial (but not essential) if attendees have a basic knowledge of construction principles.
- **PPE** – Not Required.

## COURSE CONTENT

- General overview of current Building Regulations
- Relationship between Technical Booklets and Building Regulations
- Technical Booklets E, F1 and G - Focus on the requirements for Fire, Sound and Energy Efficiency
- Understanding the recent revisions to Energy Efficiency compliance
- Defining compliant materials and systems





THE BUILD HUB

# REPUBLIC OF IRELAND BUILDING REGULATIONS & COMPLIANCE

A focus on fire, sound & energy compliance

**DURATION**
**ONE DAY: 10AM TO 3PM**

**LOCATION**
**DUBLIN & KINGSCOURT**

## COURSE DESCRIPTION

As with our Northern Ireland's Building Regulations course this similar Republic of Ireland Building Regulations course also takes a fabric-first focused approach to outlining the relevant Building Regulations for residential buildings, respective to those elements.

As such we cover the key aspects within the respective Technical Guidance Documents (TGD's) related to TGD's B - Fire Safety, E – Sound, and L - Conservation of Fuel & Energy (primarily dwellings) that need to be considered to achieve Building Regulation compliance.

The most recent nZEB energy efficiency requirements highlighted as part of the overview.

Guidance will also be offered to help understand how the implications of each regulation can affect the choices of materials and systems used within the construction of a domestic dwelling and on the types of approaches, including the use of Saint-Gobain products and systems, that could be considered to demonstrate compliance with the respective sections.

## ATTENDANCE REQUIREMENTS

- **Experience** – It is beneficial (but not essential) if attendees have a basic knowledge of construction principles.
- **PPE** – Not Required.

## COURSE CONTENT

- General Overview of Regulations
- Relationship between Building Regulations and TGD's
- Overview of BCAR responsibilities
- Focus on
  - Fire (Technical Guidance Document B)
  - Sound (Technical Guidance Document E)
  - Conservation of Fuel & Energy – Dwelling (Technical Guidance Document L)
- Compliant materials and system solutions for consideration





THE BUILD HUB

E-LEARNING HUB

# WELCOME TO THE **E-LEARNING HUB**

At our E-Learning Hub we have a wide range of regular training courses to upskill and educate all within the construction industry.

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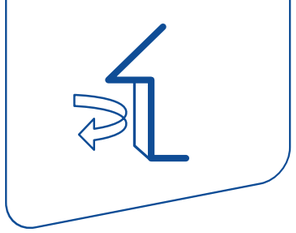


# A BRIEF BUT DETAILED LOOK AT AIRTIGHTNESS

**DURATION**
**90-MINUTE WEBINAR**

**LOCATION**
**TECHNICAL ACADEMY ONLINE**

## COURSE DESCRIPTION

Achieving good levels of airtightness is a vitally important performance characteristic in high quality buildings that strive to be low energy, nZEB compliant or certified to Passive House standards. Airtight building solutions, balanced with an appropriate and effective ventilation strategy helps to manage moisture risks, improving the comfort, health, and well-being of the building occupants and the durability of the building fabric.

In this webinar we take a practical look at the key detailing methods that can be adopted when installing the Isover Vario range of intelligent airtightness and moisture management membranes and tapes.

The presentation offers a short background to the requirements of current regulations and information on how the correct application of airtightness as part of good building installation practices can help to eliminate condensation risks. However, it primarily focuses on the practical techniques required to maintain airtightness detailing around items that penetrate the primary airtightness membrane.

Practical demonstrations of how to detail cables, pipes, joists, and windows are included as part of this webinar.





# INTERNALLY INSULATING EXISTING EXTERNAL WALLS

The challenges faced and a possible solution

**DURATION**
**90-MINUTE WEBINAR**

**LOCATION**
**TECHNICAL ACADEMY ONLINE**

## COURSE DESCRIPTION

When considering the appropriate measures required to improve the energy efficiency of existing dwellings and other buildings, improving the insulation and airtightness performance of the building envelope often forms part of the primary objectives. However, the external wall typology in many older buildings can often present a set of challenges and risks which, if not considered appropriately, could lead to issues such as condensation, moisture damage to the building fabric and poor internal air quality for the occupants.

This short webinar presentation looks at the key hygrothermal issues to be considered when applying internal insulation to solid and hollow-block external walls. Identifying how the typology of such backgrounds may impact on specification choices and what could happen if these key issues are not addressed.

Using the Isover Optima system as an example, the presentation will look at this NSAI Agrément approved system components, installation, and specification requirements, along with limitations and special detailing areas that need to be appropriately undertaken.

# UNDERSTANDING SHAFTWALL

System performances and detailing

**DURATION**
**90-MINUTE WEBINAR**

**LOCATION**
**TECHNICAL ACADEMY ONLINE**

## COURSE DESCRIPTION

Gyproc ShaftWall partition systems are somewhat unique given that they are a special type of lightweight metal stud system that can be constructed entirely from one side but offer claimed performance characteristics in both. Generally used where fire resistance performance is critical and access to construct a metal stud partition system from both sides is restricted. There is often at least one requirement for a ShaftWall system to be included as part of the overall project package due to accessibility restrictions and performance requirements.

This presentation provides an overview of the key information to give all members of the project design and installation teams the knowledge to correctly specify, construct and sign off Gyproc ShaftWall systems. Covering the unique performance qualities of the asymmetric partition system and relevant limitations, the presentation looks at the required Gyproc components and how they should be installed and address common details which require special consideration when applied to a ShaftWall system.





# GYPROC PARTITION PERFORMANCES

Overcoming the selection dilemma

**DURATION**
**90-MINUTE WEBINAR**

**LOCATION**
**TECHNICAL ACADEMY ONLINE**

## COURSE DESCRIPTION

This presentation has been specifically created to assist those within project design and installation teams who are responsible for identifying and selecting the appropriate partition systems for any given construction project.

The selection of partitions can often be a daunting task with multiple performance requirements to consider and so many GypWall metal stud partition specifications available to choose from. In this webinar we provide an overarching look at the full range of fire resistance, airborne sound insulation and robustness performances achievable across all the various Gyproc partition systems and their scope of maximum recommended heights.

As we delve into an explanation on system performances, we examine the implications of EN vs BS fire substantiation and laboratory vs site sound insulation. We also explain what variables attribute to a robustness rating and the variables that can be factored into defining maximum partition heights. Addressing how project specific requirements such as elevated wind loading or height specific crowd pressures can potentially be accommodated accordingly.

Finally, recognising the increasingly important need to provide for sustainable solutions in construction and the demand to demonstrate the associated credentials of the materials used in such systems, we will highlight how this can be undertaken with respect to Gyproc partition systems and where to find the related evidence.

# NOT JUST SKIMMING OVER THE SURFACE

**DURATION**
**60-MINUTE WEBINAR**

**LOCATION**
**TECHNICAL ACADEMY ONLINE**

## COURSE DESCRIPTION

On a topic that is typically left solely as the responsibility of the plasterer, the content of this webinar has been specifically designed to assist both application and design teams alike. Providing an overview of the range of Gyproc finishing plasters, we explain which products can be used with which substrates, the appropriate preparation required in each case and what all parties should be aware of regarding relevant codes of practice relating to the application and specification of internal gypsum plasters.

This webinar is not going to teach you how to plaster but it will highlight the recommended processes, tools, and techniques the plasterer needs to adopt with the various combinations of materials to achieve the required levels of finish. We highlight how the use of a plaster skim finish can not only positively affect the quality and aesthetics of a building, but how it can also contribute to compliance with elements of the Building Regulations and enhance other specific performance characteristics.





# PAPERING OVER THE CRACKS

Gyproc Paper Tape jointing

**DURATION**
**60-MINUTE WEBINAR**

**LOCATION**
**TECHNICAL ACADEMY ONLINE**

## COURSE DESCRIPTION

The paper tape jointing process of Gyproc plasterboard partitions, ceilings, wall linings and encasement can be an essential part to enabling their system sign-off. It can also be advanced to a finishing stage to provide a suitable substrate for direct decoration.

Join one of the Technical Academy's training instructors for a step-by-step practical application guide to all the key stages of the tape and jointing process. The presentation, mixing theory with practical demonstrations, will provide an overview of the manufacturer's recommendations and the essential parts of the relevant codes of practice, including acceptable tolerances, glancing light situations and preparation for decoration.

The practical application demonstration includes preparation, application, and finishing and explains in detail the three-stage tape and fill requirements and subsequent finishing processes. We highlight the importance of the recommended sequencing of works between tapered, square-edged plasterboard joints, flat joints, internal and external angles.
The presentation also includes a troubleshooting guide of some of the more commonly witnessed site issues and their causes.

# CONTROLLING REVERBERATION IN BUILDINGS WITH PLASTERBOARDS

Regulations, requirements, and best practice in sound-absorbent acoustic linings

**DURATION**
**90-MINUTE WEBINAR**

**LOCATION**
**TECHNICAL ACADEMY ONLINE**

## COURSE DESCRIPTION

In many instances when we think about controlling sound in buildings, we are looking to restrict the passage of sound from one area to another. However, for comfort and the effective use of a building, sound may also need to be controlled within an environment.

Across education, office and residential environments, sound reverberation often needs to be controlled to ensure suitable levels of speech clarity and reduce the effects of unwanted noise. For many teaching environments and shared access areas in residential buildings, there are regulated limitations and minimum performance requirements. For other environments it is simply best practice.

This webinar addresses the basic building science of sound reverberation and sound absorption. It will outline how appropriate materials and systems are classified for such characteristics and with the inclusion of an overview of the relevant sector guidance and regulations, with a focus on dry-lining solutions, look at how such products can be used effectively in a design context for ceilings or as part of the wall linings to enhance the comfort, concentration, and wellbeing of building occupants and comply with the respective requirements.





# WHAT DOES IT TAKE TO ACHIEVE PEACE AND QUIET?

**DURATION**
**90-MINUTE WEBINAR**

**LOCATION**
**TECHNICAL ACADEMY ONLINE**

## COURSE DESCRIPTION

Sound insulation in buildings often ends up way down the list of design and installation priorities. In many cases it is only an afterthought once the building is occupied and operational.

This webinar addresses the sound insulation performance attributes of various Gyproc & Isover systems. Find out what they can achieve and how they can help improve the effective functioning of buildings and the comfort and well-being of the people who use them.

The presentation will provide a short overview on the measurement of sound insulation, the differences in airborne and impact noise control and the implications of assessing laboratory vs site performance. Perhaps most importantly we highlight the key principles by which appropriately designed systems can help restrict the movement of sound in a building. Using these fundamental best practice principles in designing for sound control, Gyproc & Isover products and systems will be reviewed regarding the levels of performance they can offer and the detailing that can affect them.

# INSTALLING COMPLIANT FIRE-RESISTANT GYPROC PARTITIONS

**DURATION**
**90-MINUTE WEBINAR**

**LOCATION**
**TECHNICAL ACADEMY ONLINE**

## COURSE DESCRIPTION

Gyproc plasterboard partition systems can offer a wide range of performance characteristics. One of these requirements is often for the systems to provide a level of fire resistance in accordance with the building's design requirements. But what makes these systems compliant? How can you be confident that you are specifying or installing these systems in the correct manner that can be signed off and approved? These key issues are covered in this presentation.

The presentation provides an explanation as to why it is so important to think systems not components. In this context it will review the diverse types of Gyproc partition systems and how their specifications can be changed to offer various levels of fire resistance.

Most importantly, the presentation will provide the attendee with an understanding as to why the detailing of these installations is so important in respect to achieving compliance.

Making no excuses for bringing the process back to first principles, we address the installation from the first fixing, installation of the stud framing and fixing of the plasterboards to the creation of openings, provision of deflection heads and finishing of joints. So, whether you design, install, or inspect we hope this webinar will give you more confidence regarding your level of responsibility and sign-off.





# DRY-LINING REQUIREMENTS FOR COMPLIANCE IN DWELLINGS

**DURATION**
**90-MINUTE WEBINAR**

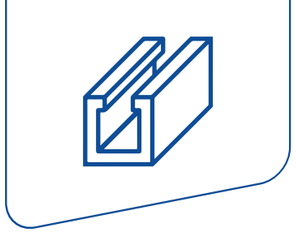
**LOCATION**
**TECHNICAL ACADEMY ONLINE**

## COURSE DESCRIPTION

This webinar looks at what has changed regarding Gyproc plasterboard specifications on timber-framed elements of a dwelling since the implementation of the Building Regulations 2017 Technical Guidance Document B, Fire Safety – Volume 2 in Ireland. The presentation incorporates the impact on the specifications of external walls, separating walls, floors and timber trussed roofs, since the more recent publication of the accompanying Supplementary Guidance Document.

Compared to the traditional approach of using BS476 testing standards to demonstrate compliance, the basic differences in EN fire testing substantiation will be explained when applied to load-bearing timber-framed elements of a typical dwelling constructed in accordance with the Eurocodes.

What has this meant to Gyproc plasterboard specifications and their installation requirements? With respect to the most recent guidance on trussed rafter roofs this also includes a different appraisal of which elements of the building need to be treated as fire-resistance-rated.



# JUST ENCASE YOU'RE NOT SURE

Gyproc structural steel encasement systems explained

**DURATION**
**90-MINUTE WEBINAR**

**LOCATION**
**TECHNICAL ACADEMY ONLINE**

## COURSE DESCRIPTION

A webinar on steel protection to help you further understand yet another aspect of fire safety in buildings and what may be required to comply with the relevant standards and regulations.

Whether as columns, beams or supporting elements to other systems, whether exposed or concealed within partitions or floors, the need to maintain the load-bearing capacity of these structural steel elements are imperative to ensuring the fire safety requirements of a building. In this presentation we explain the mode of failure of structural steel and subsequently explain the key standards and criteria by which structural steel fire protection encasement systems need to perform.

Section factors, the common unit of measurement for assessing steel, and the requirements of materials used to offer fire protection will be explained along with an overview of Gyproc Encasement systems, their performance specifications, and areas of appropriate application. Including key detailing when both fire protection of structural steel and fire resistance through an element is required at the same time.





# APARTMENTS MADE SIMPLE

Your dry-lining specification portfolio

**DURATION**
**90-MINUTE WEBINAR**

**LOCATION**
**TECHNICAL ACADEMY ONLINE**

## COURSE DESCRIPTION

The need for the Irish housing market to meet the current and future demands for residential units has, and will inevitably continue to drive the development of new-build apartment units, at all scales, across the country. The economic viability of constructing apartment units amid increasingly demanding regulation requirements and performance expectations requires effective solutions to be repeatable and simple. Design layouts will change and may offer unique criteria for each individual project, but fundamentally the primary requirements for the respective systems are almost always the same.

Identifying the specific performance requirements to meet the needs and expectations for fire, sound, energy efficiency and durability performance standards, this webinar will identify a streamlined specification portfolio package of our Gyproc and Isover internal dry-lining, insulation and airtightness systems tailored especially for apartments. System specifications will include habitable unit partitions, corridor, and party walls specifications.

We will identify how to address the zones around bathroom pods and service risers, along with the effective use of service cavities and suspended ceilings.

Do you know how to comply with the control of sound reverberation in shared access areas? We also address the specific requirements for such areas in this webinar.

Finally, with a view to sustainability, durability, security and futureproofing, the webinar also includes methods to help reduce on-site waste, design concepts such as Secure by Design and identifies specific products that can assist in the lifetime durability of the build.

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