



TECHNICAL ACADEMY

Get the know-how with the Saint-Gobain

Technical Academy

Dublin & Kingscourt



Prospectus 2016

SAINT-GOBAIN

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Saint-Gobain in Ireland

Saint-Gobain, the world leader in the habitat and construction market, creates and delivers innovative and high performance solutions to enhance our habitat and our daily life. As one of the world's top 100 innovators, Saint-Gobain spends €400m a year on R&D globally, tackling some of the biggest challenges of our time. One in five products manufactured by Saint-Gobain did not exist 5 years ago.

Saint-Gobain Technical Academies

Training at the Technical Academies is provided by experts from a number of Saint-Gobain businesses in Ireland, including Gyproc, Isover and Weber. With the ability to cover a wide range of topics across energy, fire and sound in buildings, all the Academy's trainers are experts in their respective fields. Courses are targeted to provide awareness, knowledge and up-skilling opportunities to a range of experienced industry professionals, including contractors, builders' merchants and architects, as well as new recruits to the industry.

The Saint-Gobain Technical Academies have also been designed to help combat the industry's skills shortage and provide training on new technologies and systems, as well as up-to-date information around legislation.

As Building Regulations become tighter, industry professionals are increasingly finding themselves challenged with demonstrating their understanding and ability in the use of existing products and systems. As technologies and requirements change, new skills and knowledge need to be developed. The Academies focus on equipping building professionals with key knowledge about the sustainable building agenda as well as the vital skills needed to deliver it.

The first Technical Academy opened in May 2010 in Kingscourt, Co. Cavan. The purpose built training facility with dedicated display and demonstration areas is a more skills focused Academy that can train up to 20 people per day. The Academy covers a wide range of skills including the application of airtightness, drylining, plastering and external wall insulation. November 2014 saw the opening of the second Technical Academy in Kilcarbery Business Park, Dublin, which boasts an increased 40 seat classroom and enhanced display facility. Courses run from the Dublin Academy are targeted at developing attendee's knowledge across a wide range of subjects and has been extremely popular with architects, engineers and design professionals. Courses are continually being developed and expanded to keep up with the changing regulatory and building design requirements.



TECHNICAL ACADEMY

Acoustics in Buildings

Course Description

A one-day course undertaken in the Saint-Gobain Technical Academy, Dublin.

This one day course provides attendees with an overview of the key characteristics of sound performance and measurement assessed within buildings, with specific focus on how to specify, detail and achieve required sound performances using internal drylining systems.

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 provide high quality low risk solutions.

Attendance Requirements

Attendees are expected to have a basic knowledge of construction principles.

Location: Dublin Academy Only

Time: 10:00–16:00

Course Content

- Fundamental principles of sound and its measurement
- Differences between Airborne and Impact sound in buildings
- How to design for sound insulation solutions
- The effect of site detailing and workmanship
- The control of sound within a room
- Key regulations and guidance



TECHNICAL ACADEMY

Airtightness

Course Description

A one-day course covering both theory and practical demonstrations.

This introduction to airtightness provides the attendees with an overview of airtightness, how to achieve it in accordance with current Building Regulations, the advantages of going further and a practical overview of using the appropriate materials for critical detailing.

Attendance Requirements

Attendees are expected to have a basic knowledge of construction principles

PPE Requirements

Kingscourt Academy only – Attendees should bring safety footwear with them on the day. Footwear can be loaned with prior notice.

Location: Available in Dublin & Kingscourt Academy

Time: 10:00–16:00

Course Content

- Fundamental principles of Airtightness
- Airtightness regulation requirements
- Additional benefits of providing good levels of airtightness in buildings
- Methods of achieving airtightness
- Materials used to achieve airtightness
- Practical demonstrations of applying membranes & tapes
- Practical demonstrations of critical site detailing issues



TECHNICAL ACADEMY

Advanced Airtightness Skills

Course Description

A one-day course covering both theory and practical demonstrations.

Undertaken either as a second day extension to the introductory Airtightness course or as an independent stand-alone one day course only, this practical skills-based course teaches the attendees how to undertake a full range of common critical details encountered on site using airtightness tapes, sealants and membranes.

Using a purpose built airtightness testing rig, attendees will be shown how an airtightness test is typically undertaken and where the common weaknesses in the building envelope occur. In addition to being shown how to correctly use airtightness membranes, tapes and sealants, a large portion of the course is allocated to allow all the attendees to use the materials to construct the appropriate details which can alleviate air leakage at the common penetration scenarios

PPE Requirements

Kingscourt Academy – Attendees should bring safety footwear with them on the day. Footwear can be loaned with prior notice.

Capacity

Due to the practical nature of this course, to enable all attendees to undertake the practical content, capacity is currently a maximum of 8 attendees per course.

Attendance Requirements

- Attendees are expected to have a basic knowledge of construction principles
- Attendees will be expected to participate in small scale practical activities using airtightness

Location: Kingscourt Academy Only

Time: 10:00–16:00



TECHNICAL ACADEMY



Course Content

- Blower door theory demonstration
 - Live pressurised airtightness demonstration
 - Identifying the common weak points
 - How to correctly use membranes, sealants and tapes
 - Designing out the detail
 - Communication of site responsibilities
- How to detail for...
 - Single cable penetrations
 - Multiple cable penetrations
 - Pipe penetrations
 - Joist penetrations
 - Multiple joists penetrations
 - Socket boxes
 - Other critical areas



TECHNICAL ACADEMY

Drylining Systems (Partitions & Walls) for Installers & Supervisors

Course Description

A one-day course covering both theory and practical demonstrations.

This course, which focuses on vertical metal framed systems, offers drylining contractors and supervisors with an in-depth look at the required components, performance characteristics and detailing of a full range of Gyproc systems.

To ensure that attendees know how the relevant systems can be built in full compliance with the manufacturer's recommendations to attain their relevant performance substantiation, the common

detailing areas are explained in a practical manner with live demonstrations. Some of the key site detailing areas discussed include junctions, deflection heads, penetrations, socket boxes and control joints.

Attendance Requirements

Attendees are expected to have a basic knowledge of dry lining systems and construction principles.

Location: Dublin & Kingscourt Academy

Time: 10:00–16:00





TECHNICAL ACADEMY

Drylining Systems (Ceilings) for Installers & Supervisors

Course Description

A one-day course covering both theory and practical demonstrations.

This course, which focuses on horizontal ceiling systems, offers drylining contractors and supervisors with an in depth look at the required components, performance characteristics and detailing of a full range of Gyproc metal framed systems and timber joist solutions.

To ensure that attendees know how the relevant systems can be built in full compliance with the manufacturer's recommendations to attain their relevant

performance substantiation, the common detailing areas are explained in a practical manner with live demonstrations. Some of the key site detailing areas discussed include, perimeter junctions, change of level, bulkheads, rafts, penetrations, noggings and control joints.

Attendance Requirements

Attendees are expected to have a basic knowledge of drylining systems and construction principles.

Location: Dublin & Kingscourt Academy

Time: 10:00–16:00





TECHNICAL ACADEMY

Northern Ireland Building Regs.

A focus on fire, sound & energy compliance

Course Description

A one-day course covering both theory and practical demonstrations.

The course takes a fabric first approach for residential buildings outlining how to achieve compliance with the Fire, Sound and Conservation of Fuel & Power elements of the relevant sections of the current Northern Ireland Building Regulations.

Topics Covered

- General Overview of Regulations
- Fire (Technical Booklet E)
- Conservation of Fuel & Power (Technical Booklet F1)
- Resistance to the Passage of Sound (Technical Booklet G)

Attendance Requirements

Attendees are expected to have a basic knowledge of construction principles

PPE Requirements

Attendees should bring safety footwear with them on the day. Footwear can be loaned with prior notice.

Location: Kingscourt Academy Only

Time: 10:00–16:00

Course Objectives

- Develop the attendees knowledge and awareness of the content of three of the more prominent sections of the Northern Irish building regulations
- Understand how to use and interpret the associated Technical Booklets that accompany the building regulations
- Understand how the implications of each regulation reflects the choices of materials and systems used within the construction of a domestic dwelling
- Provide attendees with an understanding of how and where Saint-Gobain products can contribute towards the demonstration of compliance with the regulations



TECHNICAL ACADEMY

ROI Building Regs. & Compliance

A focus on fire, sound & energy compliance

Course Description

A one-day course covering both theory and practical demonstrations.

The course takes a fabric first approach for residential buildings outlining how to achieve compliance with the Fire, Sound and Conservation of Fuel & Power elements of the relevant sections of the current ROI Building Regulations.

Topics Covered

- General Overview of Regulations
- Fire (Technical Guidance Document B)
- Sound (Technical Guidance Document E)
- Conservation of Fuel & Energy – Dwelling (Technical Guidance Document L)

Attendance Requirements

Attendees are expected to have a basic knowledge of construction principles.

Location: Dublin Academy Only

Time: 10:00–16:00

Course Objectives

- Develop the attendees knowledge and awareness of the content of three of the more prominent sections of the Irish building regulations
- Understand what compliance in accordance with the Building Control Act means to the respective members of a project team
- Understand how to use and interpret the associated Technical Guidance Documents that accompany the building regulations
- Understand how the implications of each regulation reflects the choices of materials and systems used within the construction of a domestic dwelling
- Provide attendees with an understanding of how and where Saint-Gobain products can contribute towards the demonstration of compliance with the regulations



TECHNICAL ACADEMY

Fire Performance in Buildings

Course Description

A one-day course undertaken in the Saint-Gobain Technical Academy, Dublin.

This one day course provides attendees with an overview of the key areas that a specifier, installer or site supervisor needs to consider when undertaking the specification, construction and sign off of fire related performances on the internal fit out of a building project.

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

Attendees are expected to have a basic knowledge of construction principles.

Location: Dublin Academy Only

Time: 10:00–16:00

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 drylining systems
- The effect of site detailing and workmanship
- Practical overview of basic drylining construction requirements
- Practical overview of specific drylining detailing requirements
- Fire protection of structural steel
- BS vs EN Fire test standards



TECHNICAL ACADEMY

Plasterer's Visit

Course Description

A one-day course covering both theory and practical demonstrations.

Along with a visit around the only gypsum plaster manufacturing plant in Ireland, this informative and engaging course offers attendees an overview of the full range of Gyproc plaster products, highlights common site issues, with explanations and demonstrations to the advantages of adopting full gypsum based solutions.

PPE Requirements

Kingscourt Academy – Attendees should bring safety footwear with them on the day. Footwear can be loaned with prior notice.

Attendance Requirements

Attendees are typically qualified plasterers and are expected to have a basic knowledge of construction principles.

Location: Kingscourt Academy Only

Time: 10:00–16:00





TECHNICAL ACADEMY

Renovation Solutions

Course Description

A one-day course covering both theory and practical demonstrations.

This one day course provides attendees with a practical appreciation of a full range of internal fit-out solution techniques and systems that can be adopted to improve the overall energy performance and comfort levels within existing buildings.

Attendees will gain an understanding of basic thermal, moisture management and acoustic theory and appreciate that in the context of renovation, working with an existing structure, the choice of materials

and their correct installation is crucial in mitigating against detrimental site issues and performances.

PPE Requirements

Kingscourt Academy – Attendees should bring safety footwear with them on the day. Footwear can be loaned with prior notice.

Attendance Requirements

Attendees are expected to have a basic knowledge of construction principles.

Location: Available in Dublin & Kingscourt Academy

Time: 10:00–16:00





TECHNICAL ACADEMY

External Wall Insulation (EWI)

Course Description

A two-day course covering both theory and practical demonstrations.

A two day mix of theory and practical relating to External Wall Insulation (EWI) systems with a specific focus on the related Weber product range.

Day 1: Provides attendees with the fundamental principles associated with EWI, thermal performance calculations, surveying and project management.

Day 2: Concentrates on the practical installation issues and detailing.

Attendance Requirements

Attendees are expected to have a basic knowledge of construction principles

PPE Requirements

Kingscourt Academy – Attendees should bring safety footwear with them on the day.

Location: Kingscourt Academy Only

Time: Start time: 10:00 Day 1
Finish time: 16:00 Day 2





TECHNICAL ACADEMY

CPD Courses Available

1. Metal Stud Partition Systems & Suspended Ceilings

This is an RIAI accredited CPD run by Gyproc. A presentation providing an overview of the components, construction and performance characteristics offered by metal stud partition systems and ceilings.

2. Theory of Fire

This is an RIAI accredited CPD run by Gyproc. One hour outlining key principles relating to passive fire containment in buildings and the drylining materials and systems that can be utilised in specification

3. Passive House – No Big Deal

This is an RIAI accredited CPD presentation run by Isover. A presentation highlighting the key fabric first principles associated with designing a building to passive standards

4. Render Protected External Wall Insulation (EWI)

This is an RIAI accredited CPD run by Weber. A one hour presentation outlining the components, construction techniques and performance benefits offered by render protected external wall insulations systems.

5. Sound Control for New Homes

This is an RIAI accredited CPD run by Isover outlining how increased acoustic comfort can be achieved within a domestic dwelling using strategic specification of mineral wool insulation.

CPD presentations can be held at either of our Kingscourt or Dublin Technical Academies or at a location chosen by the practice to whom the presentation is being provided.





TECHNICAL ACADEMY

Get the know-how with
the Saint-Gobain

Technical Academy

Dublin & Kingscourt

Sign-up today

www.saint-gobain.ie/technical-academy





	January	February	March	April	May	June
Fri	1			1		
Sat	2			2		
Sun	3			3	1	
Mon	4	1		4 ROI Building Regs	2	
Tues	5	2	1	5	3	
Wed	6	3	2	6	4	1
Thurs	7	4 NI Building Regs	3	7	5	2 Fire Performance
Fri	8	5 Fire Performance	4	8	6 ROI Building Regs	3
Sat	9	6	5	9	7	4
Sun	10	7	6	10	8	5
Mon	11	8	7	11	9	6
Tues	12 Fire Performance	9 DLS (Part. & Wall)	8	12 NI Building Regs	10 Fire Performance	7
Wed	13	10 ROI Building Regs	9 Fire Performance	13 Plasterer's Visit	11	8 NI Building Regs
Thurs	14 Airtightness	11	10 ROI Building Regs	14 Fire Performance	12 DLS (Part. & Wall)	9
Fri	15 Adv. Airtightness	12	11 DLS (Part. & Wall)	15	13 Airtightness	10
Sat	16	13	12	16	14	11
Sun	17	14	13	17	15	12
Mon	18	15	14 Airtightness	18	16 Adv. Airtightness	13 Acoustics in Build
Tues	19	16	15 Adv. Airtightness	19 Airtightness	17	14
Wed	20	17 Plasterer's Visit	16	20 Adv. Airtightness	18 Acoustics in Buildings	15
Thurs	21 Acoustics in Buildings	18	17	21	19	16 Airtightness
Fri	22 ROI Building Regs	19	18	22 DLS (Ceilings)	20	17 Adv. Airtightne
Sat	23	20	19	23	21	18
Sun	24	21	20	24	22	19
Mon	25	22 EWI	21	25	23 EWI	20
Tues	26 Reno. Solutions	23 EWI	22 Acoustics in Buildings	26	24 EWI	21
Wed	27	24 Airtightness	23 Reno. Solutions	27 Acoustics in Buildings	25	22 ROI Building Re
Thurs	28	25 Adv. Airtightness	24	28	26	23
Fri	29	26	25	29	27	24
Sat	30	27	26	30	28	25
Sun	31	28	27		29	26
Mon		29 Acoustics in Buildings	28		30 Reno. Solutions	27 DLS (Ceilings)
Tues			29		31	28
Wed			30			29
Thurs			31			30
Fri						
Sat						

edule 2016



	July	August	September	October	November	December
	1					
	2			1		
	3			2		
	4 Airtightness	1		3		
	5	2		4 Reno. Solutions	1	
	6	3		5	2	
re	7	4	1 Reno. Solutions	6 DLS (Ceilings)	3	1 NI Building Regs
	8 Fire Performance	5	2	7	4	2 ROI Building Regs
	9	6	3	8	5	3
	10	7	4	9	6	4
	11	8	5	10	7	5
	12	9	6 NI Building Regs	11 Fire Performance	8	6
s	13	10	7	12	9 Plasterer's Visit	7 Plasterer's Visit
	14	11	8	13 Airtightness	10 ROI Building Regs	8 Airtightness
	15	12	9	14 Adv. Airtightness	11 Airtightness	9 Adv. Airtightness
	16	13	10	15	12	10
	17	14	11	16	13	11
ings	18	15	12 Acoustics in Buildings	17	14 Adv. Airtightness	12 DLS (Part. & Wall)
	19	16	13 Airtightness	18	15	13
	20 Acoustics in Buildings	17	14 Adv. Airtightness	19	16 Fire Performance	14 Fire Performance
	21	18 Fire Performance	15	20	17	15
ess	22	19	16 Fire Performance	21 NI Building Regs	18	16
	23	20	17	22	19	17
	24	21	18	23	20	18
	25	22	19 ROI Building Regs	24	21 EW1	19
	26	23 Airtightness	20	25 Acoustics in Buildings	22 EW1	20
egs	27	24 Adv. Airtightness	21 DLS (Part. & Wall)	26	23	21
	28	25	22	27 ROI Building Regs	24	22
	29	26	23	28	25	23
	30	27	24	29	26	24
	31	28	25	30	27	25
		29 Acoustics in Buildings	26 EW1	31	28	26
		30	27 EW1		29 Acoustics in Buildings	27
		31	28 Plasterer's Visit		30	28
			29			29
			30			30
						31

**Course dates are correct as of June 2016 but are subject to change – for the most up to date course calendar visit www.saint-gobain.ie/technical-academy*



TECHNICAL ACADEMY

Find Us



Dublin Academy

We're located in Kilcarbery Business Park

GPS co-ordinates for Kilcarbery Business Park:
53.874 Latitude, -6.804 Longitude

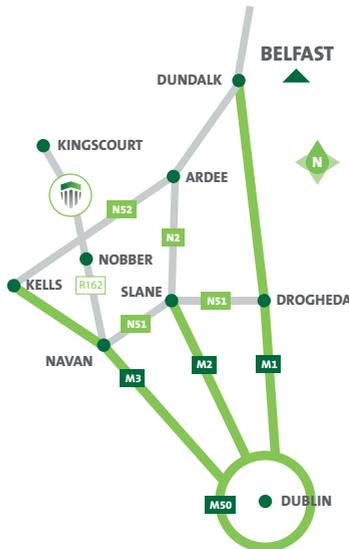
- 45 minutes from Dublin City Centre
- 2 hours 20 minutes from Belfast
- 2 hours 20 minutes from Galway
- 2 hours 35 minutes from Cork

Kingscourt Academy

We're located on the R162 between Kingscourt and Nobber GPS co-ordinates for Kingscourt:

53.315 Latitude, -6.440 Longitude

- 1 hour from Dublin
- 1 hour 30 minutes from Belfast
- 2 hours 30 minutes from Galway
- 4 hours from Cork



When you need a hand...

We're here to help!

ROI - 1800 744480
NI - 0845 3990159

Our Technical Support Team...

PROVIDES ADVICE ON:

- New Building Regulations
- Thermal, Fire and Acoustic performance
- U-Values and Airtightness
- Gyproc, Isover and Weber systems



Contact us...

Email: tech.ie@saint-gobain.com
Free Phone ROI: 1800 744480
Free Phone NI: 0845 3990159
www.gyproc.ie
www.isover.ie
www.weber.ie



TECHNICAL ACADEMY



Saint-Gobain Technical Academy

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Nangor Rd, Dublin, D22 R2Y7



Saint-Gobain Technical Academy

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See it for yourself

Experience the Academy



Website

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