

THE ARCHITECT'S WETROOM DESIGN GUIDE



CONTENTS

Introduction

Why Wetrooms Add Value

Designing your wet room

Consider your layout

- Correct Drainage
- Floor Slopes
- Waterproofing
- Position of drain
- Capacity
- Ventilation

Designing Adequate Depth for Wetroom Foundations

Professional Installation Service

Quality Wetroom Solutions from WM

- Stylish Drain Designs
- Wetroom Systems

Quality Matters

- Features & Benefit
- Increased Efficiency, Guaranteed Performance

Choosing the Right Screen

Supporting Architects

- Installations
- CPDs

Get in Touch

CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com





INTRODUCTION

Luxury wet room design transforms the showering experience from a functional necessity to an opulent indulgence. High end features such as invisible drainage and frameless glass, combined with contemporary tiling and accessories, create sleek, seamless style - perfect for adding value within luxury residential and hotel developments.

The success of a wet room installation is highly dependent on the quality of the design products and competence of the workmanship. Poor drainage, ill-considered positioning and insufficient preparation can create a host of unwelcome and costly problems. To maintain customer satisfaction and a reputation for superior quality, you need assurance that the concepts you suggest are supported by a high specification finish and guaranteed workmanship.

At WM | Wetroom Materials, we have over 20 years' experience in the design and manufacture of wet room systems for high end developments. Our systems provide versatility, style and extensive choice; for personalised tailoring to your client's individual requirements.

WM | Wetroom Materials provide a complete wet room system, including floor slope profiling and waterproofing service. Our work is supported by a 10-year no leak guarantee.

To ensure complete satisfaction with a wet room, it's important to recommend the right design solutions for different spaces; factoring in variables such as room size, layout and drainage positioning. We've created this guide to help you recommend carefully considered options for each project; to ensure an end result that is both highly functional and aesthetically beautiful.

CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com



WHY WET ROOMS ADD VALUE

As a versatile, and often a space saving bathroom solution, wet rooms provide an open shower area with level floor access. The shower drain is installed directly into a gently sloping floor and to ensure the room remains completely watertight, the room must be tanked. Stunning tiling and accessories are then fitted to create the perfect high-end look.

Wet rooms are perfect for minimalist, contemporary interiors, with the capacity for personalisation to any style. Incorporating a luxury wet room into your primary bathroom, or installing a wet room in place of a traditional shower room, can add substantial desirability to a home and increase the value of the property by up to 5%.



CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com





BENEFITS FOR YOUR CLIENTS

Wet rooms have grown in popularity, both as an interior design statement and for the additional convenience they provide. When selling the concept of a wet room to your clients, there are numerous advantages, including:

Personalised Luxury

Wall to wall sleek tiling, polished glass and stylish accessories creates the luxurious atmosphere of a five-star hotel in your own home.

Flexible Layout & Design

Wet rooms can help to create a spacious feel, even in smaller areas. This makes them ideal for use in awkwardly shaped spaces, where a cubicle would not be practical. The flexibility within wet room design allows you to be highly creative with the layout.

Leak Free

Conventional shower tray units are prone to leaks as grout and mastic degrades. With wet rooms, the entire room is tanked to waterproof the floors and walls. This effectively seals the entire room against leaks, making wet rooms ideal for installation on any floor of the house.

Level Access

Wet rooms provide the perfect shower solution for Lifetime Homes. Level access into the shower, with no steps, provides full accessibility for all. The floor of the shower area is subtly sloped to a gradient which allows the water to seep away, while the remaining areas of the bathroom remain entirely level. The low profile design means there are no steps to navigate. This makes wet rooms a safer option for the elderly, for children, or where mobility is a consideration. Younger children often require assistance in the shower, and a wet room makes it easier to access the shower space as required, without soaking the bathroom.

CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com



DESIGNING WETROOMS

Quality wet room design is dependent on a sound understanding of the special requirements associated with installation. In this section, we'll explore ways to avoid design flaws.

LAYOUT

Wet rooms are perfect for all bathrooms but it is important to consider how the slopes will work in your floor to ensure there isn't a trip hazard.

With small layouts a common cause of frustration is where the sanitary ware, towels and toilet paper are soaked every time the shower is used. This renders the shower impractical for long-term use.

In smaller spaces shower screens can be fitted to contain the water spray and direct the flow of water towards the drain. This means every element of your wet room must be planned carefully; including shower head positioning, drain location as well as the positioning of sanitary ware and towel rails.

Frameless ceiling to floor glass screens to the front and side of the shower can form an effective barrier against water; while still maintaining the illusion of open space and light. Alternatively, stud walls can be built around the shower area in the centre of the room, with the sanitary ware and towel rails positioned on each side of the exterior walls.

Failure to contain and direct water spray can create disappointing results. Considering the overall design of the wet room before installation easily overcomes this problem.

DRAINAGE TO THE STACK

Drainage for the wastewater will need to run to the soil stack, or to external pipes. Ideally, the wet room should be positioned on the same side of the house as the soil stack, but if the plans cannot accommodate this, you may have enough floor depth to accommodate a long run of pipework.

It is also important that the outlet is positioned in-between the joists to ensure there is sufficient space under the floor to create enough fall for the waste pipe. If the waste fall is too shallow, water will fail to drain effectively.

CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com



FLOOR SLOPE GRADIENT FOR DRAINAGE

To ensure water flows towards the drain, the wet room floor should include an even 1.25% to 2% slope gradient within the shower area to the drain location. The slope should not be significant enough to be detected underfoot or contribute to a slippery surface. Poorly constructed slopes can cause water to pool on the floor, or run in the wrong direction. This is one of the most common problems associated with wet rooms so it is important to get it right.

CREATING THE IDEAL SLOPE

For new build developments, a suitable gradient can be constructed as the concrete floor is laid, or accounted for when the joists are installed for upper floors. It is always easier to prepare for a wet room when it has been planned from the outset. All floor build ups can be taken into consideration for a perfect execution on site.

CONCRETE FLOORS

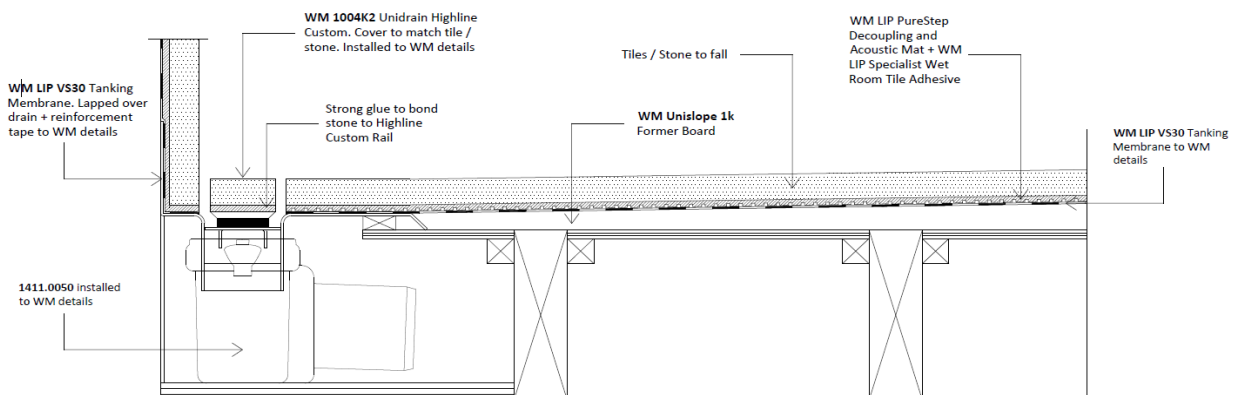
Preparing an existing concrete floor for a wet room installation can be performed using two methods:

- Marking out the area for the sloped floor and removing the required depth of concrete for the shower area, drain and waste.
- Raising the height of the existing floor to accommodate the wet room system.

TIMBER FLOORS

Creating a sloped floor for a wet room on a timber floor requires the following preparation:

- Removing the appropriate section of the floorboards. It is imperative this process does not compromise the strength of the joists and conforms to building regulations.
- Install noggins along the joists and attaching battening to support the lowered sub-base and the drain. For all installations, the subfloor installed must be structurally sound.
- Installation of the drain and connection to the waste pipe.
Installation of the subfloor.
- Creation of the sloped floor profile, either using a prefabricated wet room tray, or pre- formed slope base that can be cut to any size and tiled over to provide the ideal gradient for drainage.



CONTACT US

UK - 01332 840 820
IE - 012973488

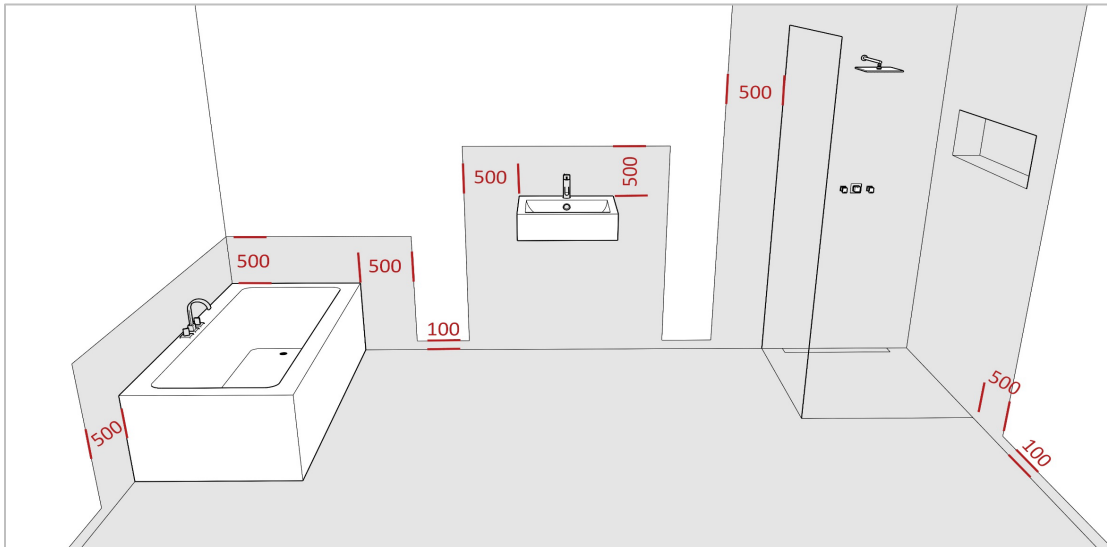
sales@wetroommaterials.com



TANKING WET ROOMS

When installed correctly, wet rooms are safer than traditional shower trays. When a failure happens, it is normally down to incorrect waterproofing. This can result in damp, unpleasant smells, or more serious structural problems. Leaks in wet rooms can be present for long periods of time prior to detection, causing costly damage. A wet room must be correctly waterproofed prior to laying the tiles to prevent leaks.

Using a professional waterproofing service and approved tanking membranes is always recommended, to achieve reliable results.



WATERPROOFING

Waterproofing is advised for all bathrooms, but it's a must for a wet room. When performed correctly, waterproofing creates an impenetrable barrier to water. The entire room must be properly tanked. As with all products on the market, there is a big choice. Make sure the membrane you specify is fit for purpose. Bathrooms are split into zones, wet vs damp zones. The above illustration depicts in dark grey the wet zones - these are areas that are likely to get wet on a regular basis.

All types of solid flooring, including wooden floors when waterproofed correctly, will last forever. They can be waterproofed using the following procedures:

- **Priming** – Apply a specialist priming solution to wooden floors.
- **Reinforcement Tape** – Apply specialist waterproofing tape to all floor joins, corners of the floor and walls, and around pipe fittings.
- **Waterproof membrane** – A waterproof membrane is applied to the floors and walls. Typically, this is a liquid compounded which is painted onto all surfaces until a thickness of at least 1mm has been achieved. The liquid membrane is flexible and resistant to low-level movement.
- **Tiling** – Additional protection is provided by tiling the walls and floor of the wet room with high quality flexible adhesive and grout. WM Wetroom Materials install LIP Products



CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com



CONSIDER YOUR DRAIN POSITION

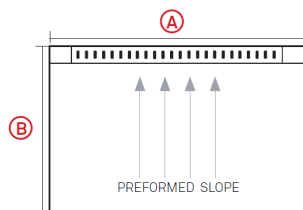
A common design mistake is to position the drain in the area the user will stand. This not only makes for an uncomfortable experience, but the user's feet partially block the drain, reducing drainage. By placing the drain out of the main shower area, it reduces potential movement in the most critical area.

If the drain is positioned towards the centre of the shower area, typically the tray would have a four-way slope. This is ideal for small mosaic tiles, or if using large format tiles they must be cut diagonally into the depression angle of the underlay, to maintain the slope gradient.

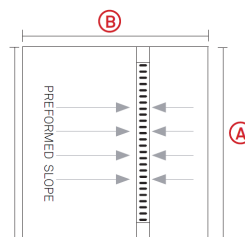
The positioning of the drain maybe determined by the location of joists or the design of the wet area. Drain positions include:

A linear drain

Choose from wall mounted or central floor designs. Linear drains are the most popular choice. They channel water towards a slimline drainage area typically spanning one of the walls. The key advantage of a wall mounted drain is that the floor only needs to slope in one direction, therefore simplifying the overall construction of the wet room. The drain area is discreetly located against the wall for a subtle, streamlined appearance, well out of the standing area.



- CATCHMENT AREA FOR WATER IS GREATER.
- SLOPE LENGTH IS SHORTER.
- GLASS SITS ON A LEVEL FLOOR.
- IDEAL FOR LARGE TILES.
- NOT STANDING ON THE DRAIN IN THE SHOWER.



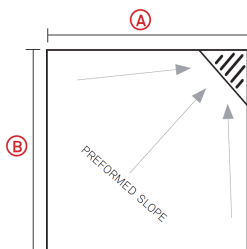
- PROVIDES TEMPLATE FOR SLOPE AND SHOWER SCREEN.
- FLEXIBILITY IN INSTALLING DRAIN, CUT BOARDS TO SUIT SECURE INSTALLATION.
- IDEAL FOR BOTH CONCRETE AND WOODEN FLOORS.

Corner drain

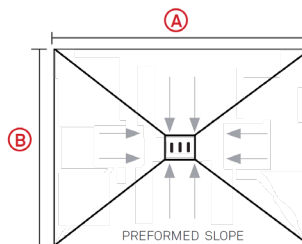
With the floor sloping towards the corner. This option is well suited to smaller spaces and now often used in wet rooms for cleaning.

Central square drain

Providing a traditional wet room drain away from the wall.



- DRAIN IN CORNER.
- IDEAL FOR SMALL TILES.
- PREFORMED TRAY IS LEVEL ON OUTER EDGE.
- NOT STANDING ON THE DRAIN IN THE SHOWER.



- THE PREFORMED TRAY IS LEVEL ON ALL FOUR SIDES.
- GREATER FLEXIBILITY IN PLACING THE DRAIN BETWEEN JOISTS.
- IDEAL FOR SMALL TILES.

CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com



CAPACITY OF DRAINS

It is important to check the capacity of the wet room drain you are specifying. The drain must be able to take away the capacity of the water generated by the shower heads, body jets and handle held shower attachment.

There are strict standards under BS1253 regarding the use of mechanical traps and the amount of water a trap can hold. If a drain does not have a sufficient trap for its environment, bad odours can travel through the drain and into the home.

As with all showers, wet room drains require regular cleaning. Drains block as soap residue and limescale form around hair that is washed down the drain. To enable regular cleaning of the drain and removal of hair blockages, select a drain design with an easy to clean trap along with a hair strainer. Both should be easy to remove, deconstruct and clean.

VENTILATION

Unless properly ventilated and heated, any bathroom can feel cold and take longer to dry. Always install adequate ventilation. We also recommend installing underfloor heating to help the floor dry quickly

CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com



DESIGNING ADEQUATE DEPTH FOR WET ROOM FOUNDATIONS

Adequate depth for wet room foundations should be accounted for when designing the floor profile. To help architects recommend the right wet room products for each client, the following points should be considered:

- What is the available floor build up depth?
- Is there enough space within this build up to accommodate the wet room drain?
- Which direction can the waste pipe run away from the drain?
- Where is the stack located and is there enough depth for the pipework?
- Can the drain be positioned in a different location?
- What is the length of slope required and how much floor depth will this take up?
- What is the thickness of the decoupling and waterproofing membranes?
- How much depth has been factored for the tile adhesive and tiles?

WM | Wetroom Materials provide an extensive catalogue of DWG files for architects. Our team of technical experts can guide you through all aspects of floor build ups and will be pleased to advise you on the best possible solution for your design.

CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com





PROFESSIONAL INSTALLATION SERVICE

As wet rooms installations are becoming more common place, builders are gaining familiarity with the levels of preparation required. However, due to the complexities of installation, many constructors remain reluctant to perform this type of job.

A professional installation from a wet room expert, is the only way to ensure perfect results, supported by guaranteed workmanship.

CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com



CONTEMPORARY CLASSICS & TIMELESS STYLE

Scandinavian style wet rooms provide simplistic elegance and low maintenance showering. A key trend in wet room minimalism is hidden drainage. The drains integrate seamlessly into the corners or walls of the shower area, for an almost invisible appearance. The functional elements are disguised, allowing the beauty of the tiling and accessories to take centre stage.

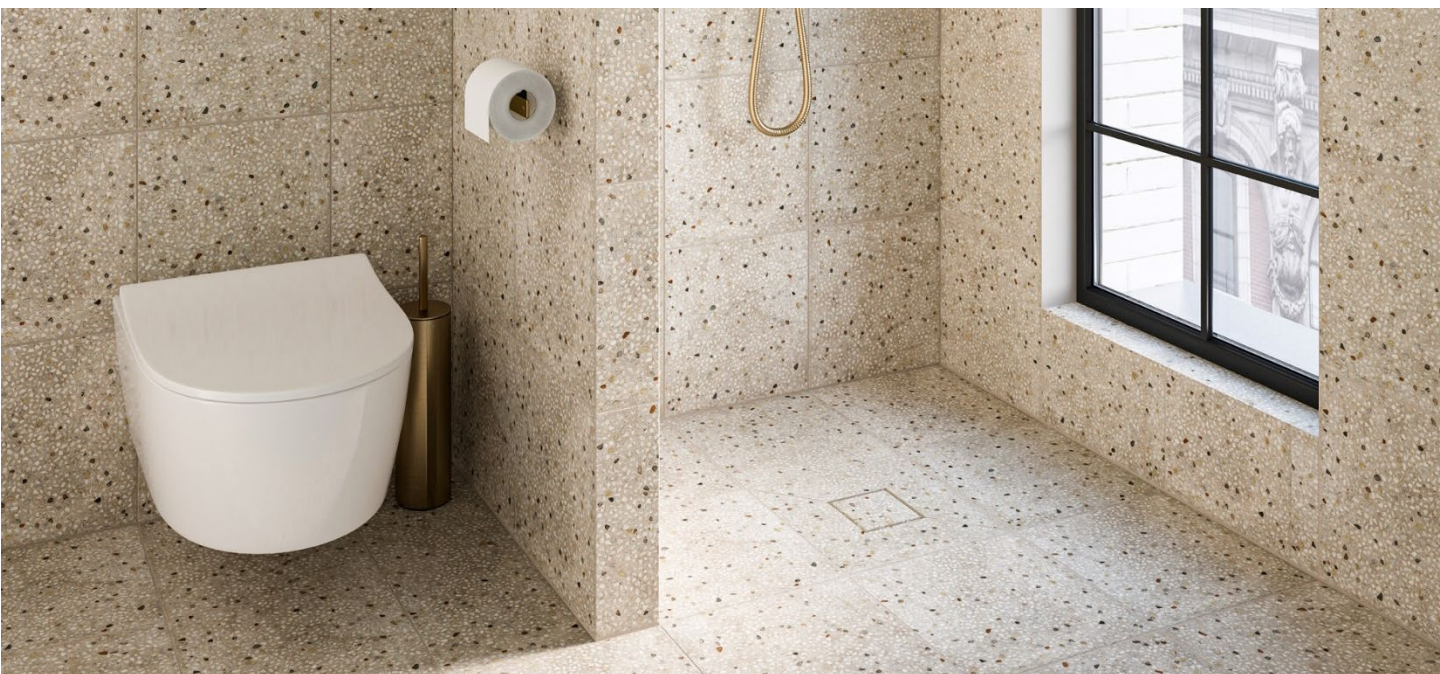
In high end developments, where every detail matters, access to the right drain style for every project will contribute to a harmonious and aesthetically pleasing design. Whether your client is seeking a bright fresh concept, bold contrast between light and tone, or to maximise the appearance of space, Wet Room Materials can offer a wet room solution to support any design brief.

QUALITY WET ROOM SOLUTIONS FROM WM

WM | Wetroom Materials are specialists in wet room solutions, from stylish drain designs to complete wet room kits and expert installation services.

As one of the first companies to introduce Scandinavian style wet room designs to the UK, our award-winning, patented designs have helped homeowners create stylish bathrooms for over 20 years.

We can provide the ideal wet room system for every sized project, offering an extensive range of styles for your clients to choose from, or a bespoke design service to cater for drains over 1.2 metres long. Our products provide long-lasting quality your clients can trust.



CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com



DESIGN LED DRAINAGE

From wall mounted invisible drains, to drains that take centre stage in your shower, our modern or timeless solutions create a personalised, luxury showering experience.

To cater for every client's perfect wet room below is a small section of our drains:

Wall Mounted

Both our corner drain and linear drain designs can be wall mounted directly against the wall. With the addition of a tiled grate the drain is virtually invisible, for minimalist perfection.

Low Profile

The ideal choice where floor depth is at a premium. Our Low Profile Unidrain range requires a building depth of only 64mm and can be wall mounted or placed away from the wall. The horizontal outlet ensures efficient drainage.

Centre

Available in linear and square design formats, perfect as a threshold drain for extra protection or when drainage cannot be accommodated against the wall.

Our frames and grates are available in a choice of contemporary finishes to complement your tiles and accessories, including:

Brushed stainless steel – Satin finish for cool, minimalist style.

Copper – Add a touch of radiance and warmth.

Brass – Burnished, traditional good looks.

Black – A classic look for a black and white minimalist wet room.



Black



Brass



Copper



Brushed Stainless Steel

CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com

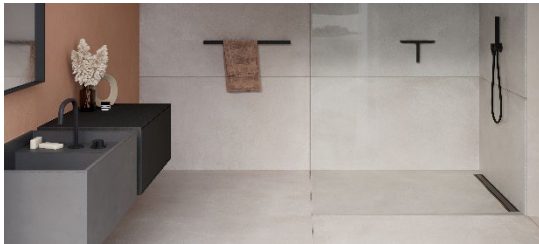


WET ROOM KITS

Our wet room kits ensure a stunning finish regardless of whether you're installing the wet room yourself or hiring a contractor. The kit includes:

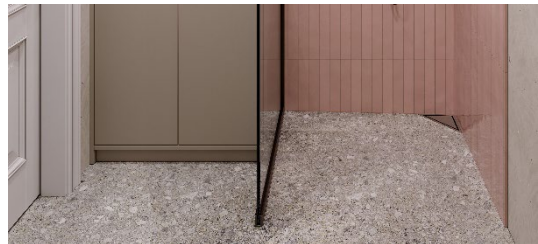
- Your choice of drain style and finish
- A preformed slope to create the perfect gradient
- Waterproof membrane and sealant tape

Unislope wet room kit is a market leading wet room solution. Available in over 40 sizes across 4 design styles, each element of the kit has been designed to the highest standard.



UniSlope 1K Kit – The drain is positioned against the wall for concealed style.

- Catchment area for water is greater.
- Slope length is shorter.
- Glass sits on a level floor.
- Ideal for large tiles.
- User doesn't have to stand on the drain while showering.



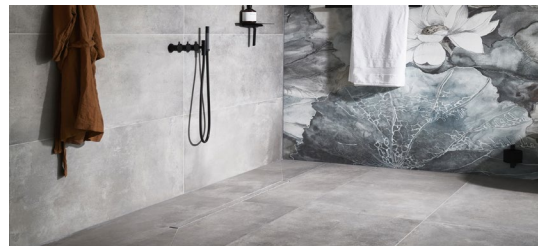
UniSlope 2K Kit – Corner drainage solution perfect for smaller spaces, or quadrant showers.

- Drain in corner.
- Ideal for small tiles.
- Preformed tray is level on outer edge.
- User doesn't have to stand on the drain while showering.



UniSlope 3K Kit - Off-set line drain ideal for small tiles.

- The preformed tray is level on all four sides.
- Greater flexibility in placing the drain between joists.



UniSlope 4K Kit – Central linear drainage. Our preformed board creates the perfect slope for perfect drainage.

- Greater flexibility in placing the drain between joists.
- Ideal for small tiles.

Glassline Kit – A minimal, elegant solution incorporating linear wall mounted drainage and sleek glass shower screens which are 100% watertight

CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com



QUALITY MATTERS

Our products are not only aesthetically beautiful, but also designed to deliver long lasting performance for your clients. Each of our wet room systems incorporates built-in solutions to prevent problems like leaks, odours and poor drainage. Intuitive design and precision engineering across all our components ensures quality seals, effective flow and ease of installation.

FEATURES & BENEFITS

- Unidrain BBA approved drains
- BBA Cert No. 14/5179
- Complies with the new joint European Norm EN 1253
- Approved for wet room class H (referring to as 'hard stress load')
- Fulfils the requirements of the new building regulations in the United Kingdom and Ireland
- Continuous quality control in accordance with BS EN ISO 9001



Each of our drains offers the following advantages and benefits to your clients:

- Extensive range of grate and frame styles/finishes
- High-speed drainage (up to 90ltrs of water per minute per outlet)
- Flush fitting channel style drain, collecting water across its full width to prevent flooding
- Integrated slopes in the main drain bodies outlet to prevent stagnant water build up
- Built-in odour barriers
- Easy to access for cleaning and maintenance by removing the grate and the trap
- No sharp edges for comfort and safety
- Suitable for wooden or concrete constructions
- Easy to install, saving time and money

INCREASED EFFICIENCY, GUARANTEED PERFORMANCE

The UniSlope range from WM | Wetroom Materials includes a preformed slope in a wide range of lengths and thicknesses, which can be cut to size to create the perfect gradient for any sized wet room. The ingenious design creates the ideal slope for level access and can also be used either side of the drain to fill any spaces. Once sealed as part of the floor, UniSlope creates a surface which can be directly tiled upon.

UniSlope considerably reduces installation time, simplifying the installation process. This creates significant benefits on large-scale development projects, where multiple installations must be performed to tight deadlines.

CONTACT US UK- 01332 840 820 IE- 012973488

sales@wetroommaterials.com



CHOOSING THE RIGHT SCREEN

If the wet room requires a screen to contain water spray, it is important to be aware of the following information:

- All toughened glass screens must meet British Standard EN12150-1.
- Thicker glass provides higher quality and creates a luxurious feel in contemporary wet room design. Standard thicknesses range between 4mm – 8mm, with the highest quality reaching 10mm.
- Glass panels with an easy clean coating prevent soap scum from sticking to the glass, reducing cleaning time.
- Ensure frameless glass panels have a bevelled safety edge.
- How will the screen be supported? For high safety and watertight seals, seek a solution which integrates into the floor and is supported at high level.

THE GLASSLINE RANGE FROM WM|WETROOM MATERIALS

Our Glassline range combines effortless style with high stability, strength and water resistance. Integrating the slope and glass rail system into the drain profile creates an easy to install, safe and 100% watertight wet room system. This system is ideal for any scheme with multiple wet rooms. The perfect choice for apartments and hotels.

Our 10mm thick glass exceeds quality standards and comes coated with water repellent Clean Tec, to keep glass sparkling for longer.



CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com





INSTALLATION

When you recommend WM | Wetroom Materials you are choosing a company with extensive experience in wet room installations.

PART OF THE PACKAGE

Choosing our installation package provides a seamless service for your clients, including all the following benefits:

- Technical support
- Complete solution, Technical Advice CAD Files
- Site Surveys and Dedicated Project Manager
- Provision of superior quality, stylish wet room drains
- Creation of the wet room foundations
- Creation of the slopes to suit each individual shower area and room design
- Reinforcement to weak, or potentially weak areas in the wet room
- Application of appropriate tanking membrane to wet zones
- A 10 year no leak guarantee

CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com



ARCHITECT CPD

With over 18 years' experience in the wet room industry and being involved in all stages from design, specification and installation; WM | Wetroom Materials has extensive knowledge of all aspects of wet rooms. To pass on our knowledge we have created a CPD along with project meetings on and offsite. Our CPD's can be in person at your practice or as a webinar.

ABOUT OUR WET ROOM CPD

- Well-rounded CPD session covering all aspects of wet rooms
- Common wet room issues and how to avoid them
- Types of drainage for different project requirements
- Systems to overcome construction challenges
- Wet Room Design and specification
- Installation of a wet room
- Wetroom Waterproofing zones and process
- Complimentary lunch
- Certificate of attendance to self-certify for RIBA points



CONTACT US

UK - 01332 840 820
IE - 012973488

sales@wetroommaterials.com



GET IN TOUCH

Thank you for downloading this eBook. Whether you have a simple question on floor profiles or wish to send through your project drawings for specification, our dedicated Architectural team have a wealth of knowledge and are always happy to help.

WM | Wetroom Materials

Unit E1

Ballymount Industrial Estate Walkinstown

Dublin 12 Ireland

T: +353 (0)12973 488

WM | Wetroom Materials

Unit E1

Ballymount Industrial Estate Walkinstown

Dublin 12 Ireland

T: +353 (0)12973 488

FURTHER DESIGN INSPIRATION

Visit our website: www.wetroommaterials.co.uk

CONTACT US

UK - 01332 840 820

IE - 012973488

sales@wetroommaterials.com

