

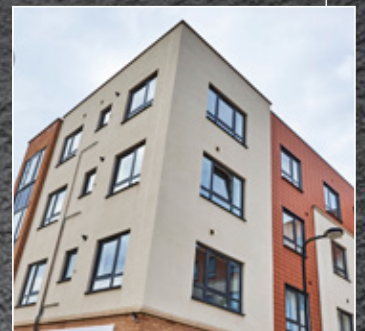


STORMSHIELD

E W I & R E N D E R

R E N D E R
S Y S T E M S
& F I N I S H E S

A COMPLETE GUIDE





A G U I D E T O
R E N D E R
S Y S T E M S

Here at Johnstone's Trade we are proud of our long history and dedication to offering the best customer service. This guide will provide you with a brief introduction to our business and outline what you can expect from PPG.

Rest assured, Johnstone's Trade Stormshield Render Systems offer a high quality, long lasting, rendered finish for a wide variety of substrates. Available in a broad range of finishes, we have systems to suit any project or client requirement.



At PPG, we work everyday to develop and deliver the paints, coatings and materials that our customers trust. Through dedication and creativity, we solve our customers' biggest challenges, collaborating closely to find the right path forward. We have a long heritage of and commitment to innovation, sustainable product development and community engagement serving customers in construction, consumer products, industrial and transportation, as well as aftermarkets.

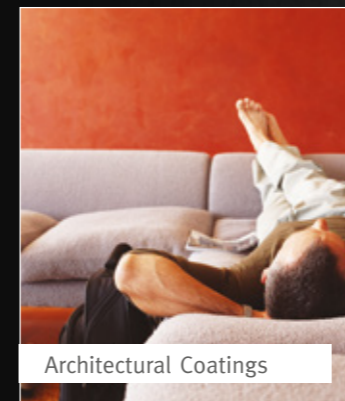
WITH THIS SIZE
COMES REAL
PEACE OF MIND...



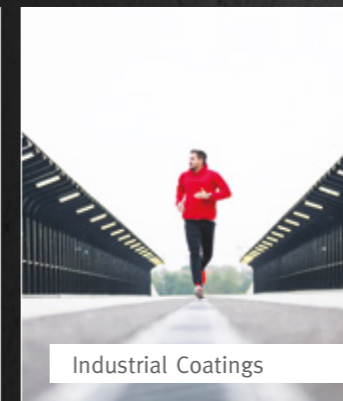
PPG Head Office, Pittsburgh, USA

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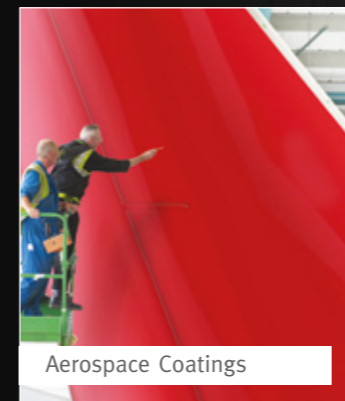
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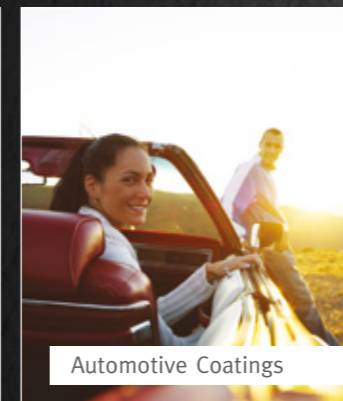
Architectural Coatings



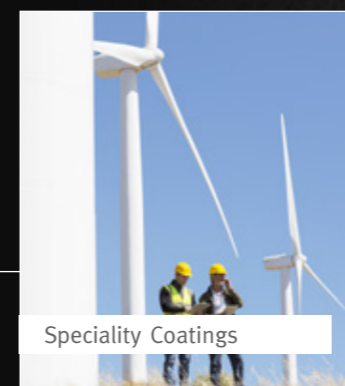
Industrial Coatings



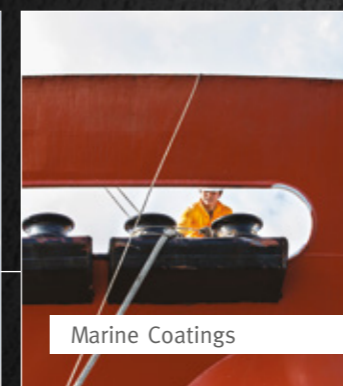
Aerospace Coatings



Automotive Coatings



Speciality Coatings



Marine Coatings

TOTAL COATINGS SOLUTIONS

As a brand of PPG, Johnstone's Trade has access to global technologies which allows us to offer you a total coatings solution for any of your projects. PPG leads the way across architectural, industrial, aerospace, automotive, speciality and marine coatings.

A BUSINESS THAT'S HERE TO STAY

When you specify or purchase any Johnstone's product or system you are working with a partner that's big enough to cope with any eventuality. We've been around for nearly 130 years and will still be around for you in the future when our support might matter most.

JOHNSTONE'S STORMSHIELD

As a leading coatings brands in the UK, Johnstone's is committed to providing exceptional products to our customers and specifiers. We've built our name by offering the finest quality trade paints since 1890, and have expanded our offer to encompass exterior renders and insulation systems. We're not exactly new to exterior renders either - in other PPG businesses in Europe we've been manufacturing renders for over 25 years.

A BUSINESS YOU CAN RELY ON

Providing high quality and effective services for our customers is at the very core of our business approach. In addition to superb commercial and technical support Johnstone's Trade also offers an unrivalled wider service proposition.

SUPPLY CHAIN EXCELLENCE

PPG manufacture coatings in the UK at Europe's largest coatings plant situated in Birstall, West Yorkshire. In addition to state of the art manufacturing facilities PPG can boast a 35,000m2 distribution facility on the same site from where we operate our own transport fleet. Our vehicles go almost everywhere in the United Kingdom almost everyday.

NATIONALLY LOCAL

Our central warehouse is supported by a network of over 200 of our own Johnstone's Trade Centres with their own fleet of delivery vans, ensuring you are never far way from a delivery, support or assistance in your local area.

SPECIFICATION, COMMERCIAL AND TECHNICAL SUPPORT

Johnstone's Technical Sales Managers are dedicated to Render System provision, and work in partnership with our specification and technical specialists to ensure that you are supplied with an honest and comprehensive specification for your project. This nationwide network of experts boasts a collective body of knowledge that extends to hundreds of years and they are determined to provide our clients with all the information and expertise needed.

SUPPORTING YOU EVERY STEP OF THE WAY

Our dedication to providing first class support to our customers is unwavering. Whether you need a simple question answering, a project visit or have a problem with applying a product, we will guide you through the process, bringing reassurance to you and your clients alike. Balancing industry knowledge with customer support, we can provide advice on everything from the outset to the finishing touches and beyond - offering the total experience. The team at Johnstone's are here for you every step of the way, and by involving us from day one you can enjoy the peace of mind that you are approaching your project in the best possible way and with first-class support delivering supply efficiencies you can rely on.



TECHNICAL SUPPORT

Johnstone's Trade's extensive package of technical services sits under the banner of PPG Extra - offering comprehensive advisory and consultancy services that have been developed to guide the full spectrum of appliers, clients and specifiers through key issues including legislation, building regulations, environmental concerns, social responsibility and system choices.

PROVIDING YOU WITH BESPOKE SOLUTIONS

We are fully aware that every project and client has different requirements, which is why we go the extra mile to provide bespoke solutions tailored specifically to your needs.

Whether it is site surveys, working from plans, system performance calculations or detailed technical support, our dedicated experts and PPG Extra specialists and partner engineers will provide you with technical guidance to ensure you benefit from the most sustainable and appropriate solutions for your project.

After undertaking a comprehensive site assessment to determine the location and condition of existing substrates and application areas we will provide our clients with a detailed project specification. Our tailored specification includes information on products, preparation requirements and application details, life expectancy and the required maintenance schedules for the selected systems in order to help you plan for the future.

THE COMPLETE RENDER SYSTEM

Johnstone's Trade offer customers the complete technical support package including:

- Site technical visits before specifications are written
- Full system technical specifications with bespoke detailing
- On site technical support during works
- Post installation inspections
- System samples
- Colour advice
- 3D project visualisations

S U S T A I N A B I L I T Y

Sustainability is key to our business and since our earliest days at PPG, sustainable business practices have been embedded in our culture and strategy. We take our responsibility to the environment and the communities we operate in extremely seriously and this is encapsulated in the sustainability vision and values we set for our business.

PPG'S GLOBAL SUSTAINABILITY VISION

"To continue being the world's leading coatings and speciality products company with a focus on sustainability to ensure the success and lasting presence of our company for the benefit of our customers, our employees, our shareholders, our neighbours and our suppliers. We will act in a way that helps to ensure the longevity and resilience of our environment, our economies and our society".

PPG SUSTAINABILITY VALUES

- Demonstrate operational and environmental, health and safety excellence, minimising our environmental impact
- Partner with employees and their families to improve their health and well-being
- Create an engaging and inclusive workplace
- Conduct business and operations in an ethical and compliant manner

- Deliver innovative and sustainable products and services to our customers
- Enhance value-creating relationships with suppliers and customers
- Deliver positive change to society and to the communities where we operate
- Deliver a superior return on investment to our shareholders

PPG's sustainability programmes and our progress against a number of key goals are outlined in our UK and Ireland sustainability reports.

Download our latest report from www.johnstonestrade.co.uk and see our progress for yourself.



E X P E R T S I N E X T E R I O R C O L O U R

The impact of colour on the way we act and feel cannot be underestimated and at Johnstone's Trade we understand the huge influence it holds. As a company with a long pedigree in coatings, we truly understand both the technical performance and psychological impact of colour.

COLOUR THAT LASTS

Colours in our Johnstone's Trade Stormshield render colour card have been chosen for their suitability for use on building facades as they offer excellent weathering and fade resistance. This is achieved through the use of high performance colour additives that have been extensively tested all over Europe for weather and UV resistance – in some of the sunniest climates of the Mediterranean and in the harshest of Alpine winters.

BESPOKE COLOURS

Voice of Colour, a design led colour palette available exclusively from Johnstone's Trade offers other shades that are not part of the standard render offer. We can produce unusual or special colours from across the colour spectrum to client request. Please note that additional lead times may be required for special colours.



SUPERB COLOUR ADVISORY

Whether you require bespoke colour schemes, colour samples or general colour advice, Johnstone's Trade can provide the ideas and answers you need. Choosing from thousands of colours may prove daunting, so we have experienced colour consultants available to assist you throughout the colour selection process.

COLOUR SAMPLING SERVICE

Should you need to see the actual renders in the colour chosen before making that final decision we are able to provide a fast, reliable colour sample for you, or alternatively we can arrange for one of our team to apply a panel to a building or area you specify.

SYSTEMS OVERVIEW

All of our render systems are formulated and tested to the most stringent standards. This ensures we offer the highest quality and most durable options that withstand the harshest of weather conditions, whilst providing our clients with reassurance and peace of mind.

Deciding which render system to use on your project depends on a number of factors including the type of substrate the render is to be applied to. Our technical team are on hand to discuss your specific requirements. This table provides a general overview of the systems available within the Johnstone's Trade Stormshield range.



E W I & R E N D E R

| System | Finish | SUBSTRATE | | | | BBA Approved | Crack Resistance | Adhesion to Substrate | Ease of Maintenance/Redecoration |
|------------------------------|----------------------------|-----------|-----------|-----------|----------------------|--------------|------------------|-----------------------|----------------------------------|
| | | Concrete | Brickwork | Blockwork | Render Carrier Board | | | | |
| STORMSHIELD HIGH FLEX | Full Silicone Render | | | | □ | □ | ★★★★★ | ★★★★★ | ★★★★★ |
| | Silicone Enhanced Render | | | | □ | □ | ★★★★★ | ★★★★★ | ★★★★★ |
| STORMSHIELD HIGH PERFORMANCE | Full Silicone Render | ○ | ○ | □ | | □ | ★★★★★ | ★★★★★ | ★★★★★ |
| | Silicone Enhanced Render | ○ | ○ | □ | | □ | ★★★★★ | ★★★★★ | ★★★★★ |
| | Dash Render | ○ | ○ | □ | | | ★★★★★ | ★★★★★ | ★★ |
| | Brick Effect Render | ○ | ○ | □ | | | ★★★★★ | ★★★★★ | ★★ |
| | Brick Slips | ○ | ○ | □ | | | ★★★★★ | ★★★★★ | ★★ |
| STORMSHIELD SCRATCH RENDER | Traditional Scratch Render | ○ | ○ | □ | | □ | ★★★★ | ★★★★ | ★★★★ |
| STORMSHIELD OCR* | Silicone Enhanced Render | ○ | ○ | □ | | | ★★★★★ | ★★★★★ | ★★★★★ |
| | Masonry Paint | ○ | ○ | □ | | | ★★★★ | ★★★★ | ★★★★ |
| STORMSHIELD THIN COAT RENDER | Mineral | ○ | ○ | □ | | | ★★★★ | ★★★★ | ★★★★ |
| | Silicone Mineral | ○ | ○ | □ | | | ★★★★ | ★★★★ | ★★★★ |

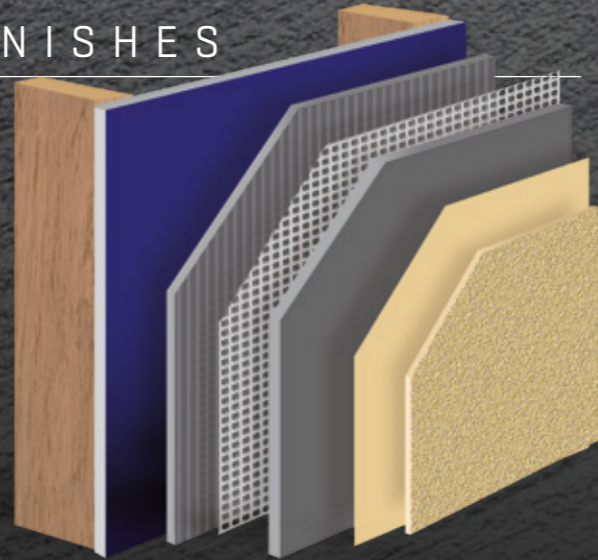
Key Coat Primer may be needed dependent on existing substrate condition and surface finish

* Stormshield OCR is not BBA approved as a system but Johnstone's Stormshield Silicone Enhanced Render and Masonry Paints typically carry BBA certification.



HIGH FLEX PERFORMANCE RENDER SYSTEM - SILICONE FINISHES

A highly modified polymer system that brings ultimate flexibility. Formulated for application to render carrier boards and on substrates where adhesion, flexibility and crack resistance is paramount. This high performance, breathable system provides durable protection from the harshest of weather conditions, keeping maintenance cycles to a minimum.



SYSTEM PRODUCT DETAIL

| | |
|----------------------|---|
| Basecoat | Stormshield High Flex Basecoat |
| Reinforcement | Stormshield Render Reinforcing Mesh Cloth |
| Primer | Stormshield Silicone Enhanced or Full Silicone Primer |
| Render Finish | Stormshield Silicone Enhanced or Full Silicone Render |

Features

- High flexibility, polymer modified render system
- Can be applied to render carrier boards*
- Vapour permeable/breathable
- Ultimate crack resistance
- Simple application and easy to maintain
- Suitable for new build and refurbishment work
- BBA Approved



- Apply Stormshield High Flex Basecoat to suitably prepared substrate
- Bed reinforcing Stormshield Mesh Cloth into Basecoat
- Apply second pass of Basecoat to enclose Stormshield Mesh Cloth and to a total thickness of 6mm and work to a plain faced finish
- Apply 1 coat of Stormshield Silicone Enhanced or Full Silicone Primer to fully cured based coat and allow to dry
- Apply Stormshield Silicone Enhanced or Full Silicone Render in the aggregate size chosen and finish with a plastic float

FINISHES

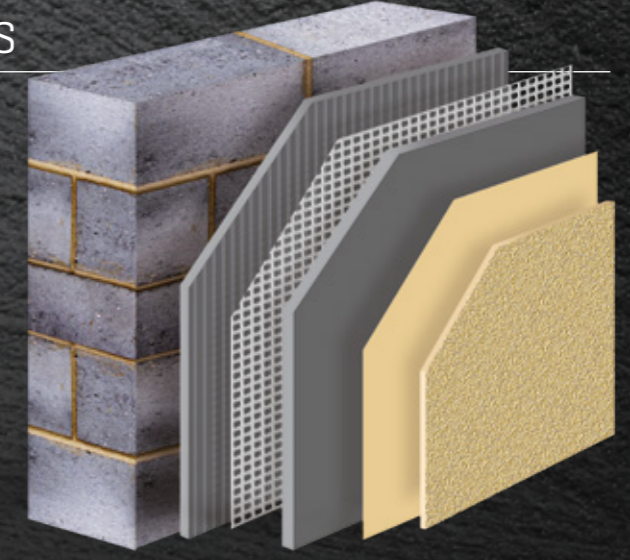


Both finish options are available in 200 specially selected standard colours and other additional special shades on client request. Please see colour chart for additional information.

*Seek technical approval on different types.

HIGH PERFORMANCE RENDER SYSTEM - SILICONE FINISHES

A modern, high technology render system, formulated for application to traditional masonry substrates and developed using polymer modified technology. Silicone finishes offer a modern render system in a wide variety of colours in addition to being highly flexible and crack resistant.



SYSTEM PRODUCT DETAIL

| | |
|------------------------|---|
| Key Coat/Primer | Dependent on substrate condition, porosity and type |
| Basecoat | Stormshield High Performance Basecoat |
| Reinforcement | Stormshield Render Reinforcing Mesh Cloth |
| Primer | Stormshield Silicone Enhanced or Full Silicone Primer |
| Render Finish | Stormshield Silicone Enhanced or Full Silicone Render |

Features

- High Performance, polymer modified render system
- Can be applied to suitably prepared masonry surfaces
- Vapour permeable/breathable
- High levels of crack resistance
- Simple application and easy to maintain
- Suitable for new build and refurbishment work
- BBA Approved



- Apply Stormshield High performance Basecoat to suitably prepared masonry substrates
- Bed reinforcing Stormshield Mesh Cloth into Basecoat
- Apply second pass of Basecoat to enclose Stormshield Mesh Cloth and to a total thickness of 10mm and work to a plain faced finish
- Apply 1 coat of Stormshield Silicone Enhanced or Full Silicone Primer to fully cured Basecoat and allow to dry
- Apply Stormshield Silicone Enhanced or Full Silicone Render in the aggregate size chosen and finish with a plastic float

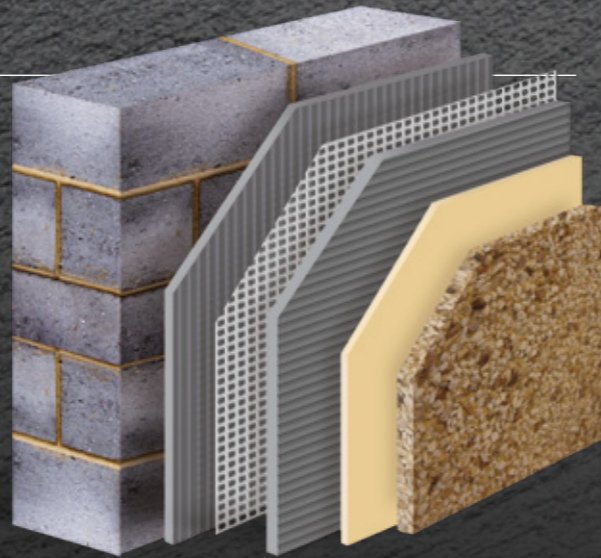
FINISHES



Both finish options are available in 200 specially selected standard colours and other additional special shades on client request. Please see colour chart for additional information.

HIGH PERFORMANCE RENDER SYSTEM - DASH FINISH

A modern, high technology render system, formulated for application to traditional masonry substrates and developed using polymer modified technology. This Stormshield dash render system offers a high degree of flexibility and crack resistance. With a wide range of colours and dash finishes available, this system provides an excellent choice for a tough and durable pebble dashed finish.

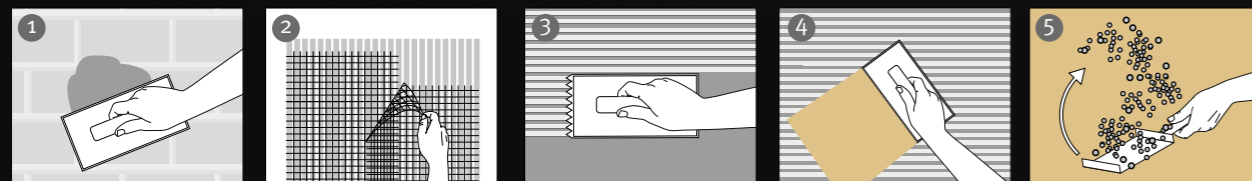


SYSTEM PRODUCT DETAIL

| | |
|------------------------|--|
| Key Coat/Primer | Dependent on substrate condition, porosity and type |
| Basecoat | Stormshield High Performance Basecoat |
| Reinforcement | Stormshield Render Reinforcing Mesh Cloth |
| Finish | Stormshield Dash Receiver + Approved Dashing Aggregate |

Features

- Reinforced, polymer modified render system
- Can be applied to suitably prepared masonry surfaces
- Vapour permeable/breathable
- High levels of durability
- Simple application and easy to maintain
- Suitable for new build and refurbishment work



- Apply Stormshield High Performance Basecoat to suitably prepared masonry substrates
- Bed reinforcing Stormshield Mesh Cloth into Basecoat
- Apply second pass of Basecoat to enclose Stormshield Mesh Cloth and to a total thickness of 10mm and finish with a horizontal keyed finish.
- Apply Stormshield Dash Receiver to a thickness of 6mm to 8mm in a colour of your choice
- Apply Stormshield approved Dashing Aggregate

FINISHES



STORMSHIELD
Dash Receiver Render



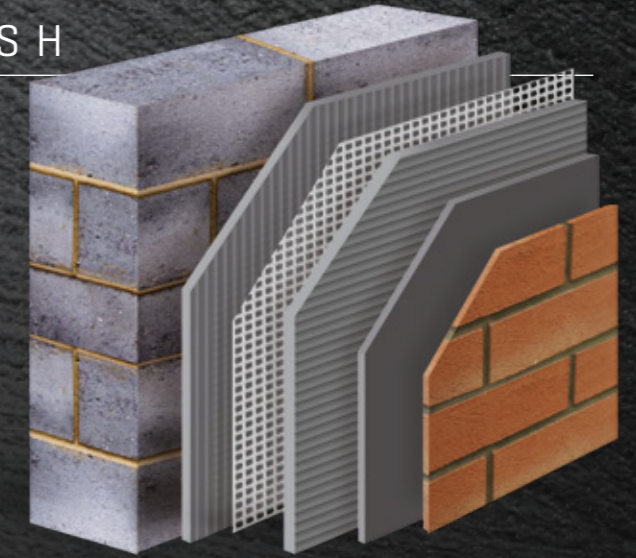
STORMSHIELD
Dashing Aggregate

Available as standard in a range of 14 dash receiver colours and over 30 aggregate choices to provide a total of over 400 finish combinations.

Please see colour chart for additional information.

HIGH PERFORMANCE RENDER SYSTEM - BRICK EFFECT FINISH

A modern, high technology render system, formulated for application to traditional masonry substrates and developed using polymer modified technology. This innovative render system allows the creation of a highly durable traditional brick or stone finish effect without the cost of installing a full brick slip system.

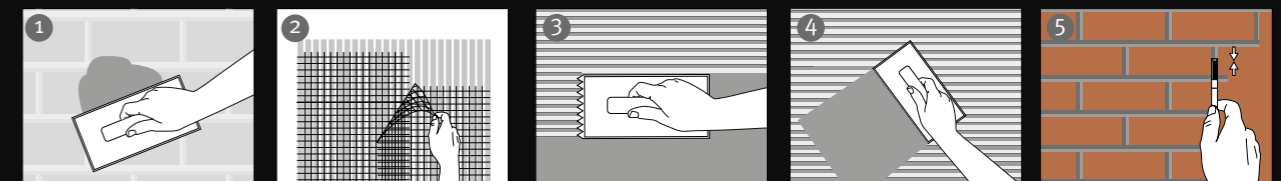


SYSTEM PRODUCT DETAIL

| | |
|------------------------|---|
| Key Coat/Primer | Dependent on substrate condition, porosity and type |
| Basecoat | Stormshield High Performance Basecoat |
| Reinforcement | Stormshield Render Reinforcing Mesh Cloth |
| Render Finish | Stormshield Brick Effect Render |

Features

- Innovative render system to create the look of traditional brick or stone
- Can be applied to suitably prepared masonry surfaces
- Vapour permeable/breathable
- High levels of crack resistance
- Simple application and easy to maintain
- Suitable for new build and refurbishment work



- Apply Stormshield High Performance Basecoat to suitably prepared substrate
- Bed reinforcing Stormshield Mesh Cloth into Basecoat
- Apply second pass of Basecoat to enclose Stormshield Mesh Cloth and to a total thickness of 10mm; finish with a horizontal keyed finish
- Apply Stormshield Brick Effect Render to a thickness of 5-6mm in the colour chosen for the mortar coat
- Apply Stormshield Brick Effect Render at 2-3mm in the brick face colour chosen and cut brick face colour in desired pattern to expose mortar coat and create the desired finish

FINISHES



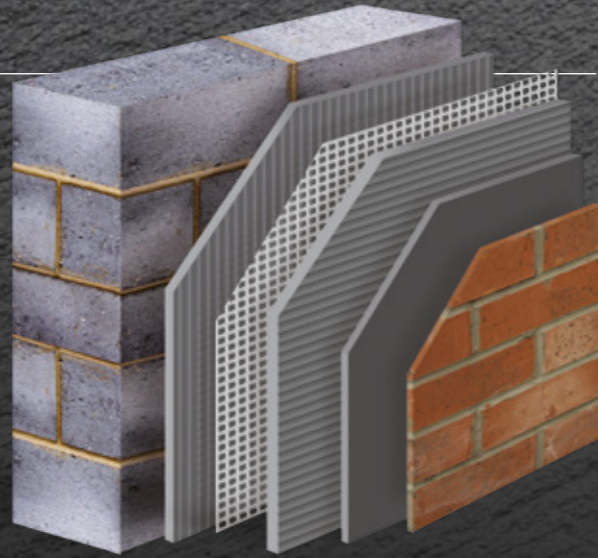
STORMSHIELD
Brick Effect Render
(for mortar coat and brick face)

Available as standard in a range of 12 mortar, stone and brick colours and can also be matched to client specification.

Please see colour chart for additional information.

HIGH PERFORMANCE RENDER SYSTEM - BRICK SLIP FINISH

A high performance render and brick slip system designed to re-create a highly authentic real brick finish using 15mm kiln fired genuine brick slips applied with high performance adhesives and finished with all weather pointing mortars. Ideal for creating a natural brick finish to existing masonry substrates.

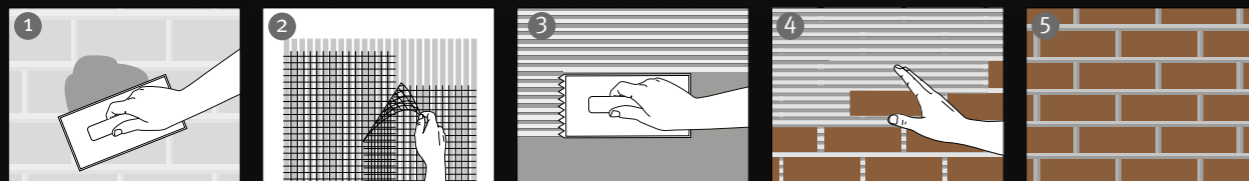


SYSTEM PRODUCT DETAIL

| | |
|------------------------|---|
| Key Coat/Primer | Dependent on substrate condition, porosity and type |
| Basecoat | Stormshield High Performance Basecoat |
| Reinforcement | Stormshield Render Reinforcing Mesh Cloth |
| Adhesive | Stormshield Brick Slip Adhesive |
| Slips | Approved Brick Slips |
| Pointing | Stormshield Brick Slip Pointing Mortar |

Features

- High performance, authentic brick slip system
- High levels of crack resistance
- Can be applied to suitably prepared masonry surfaces
- Suitable for new build and refurbishment work



1 Apply Stormshield High Performance Basecoat to suitably prepared masonry substrates

2 Bed reinforcing Stormshield Mesh Cloth into Basecoat

3 Apply second pass of Basecoat to enclose Stormshield Mesh Cloth and to a total thickness of 10mm; finish with a horizontal keyed finish

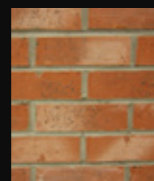
4 Apply chosen brick slips using High Performance Brick Slip Adhesive

5 Point slips with High Performance Pointing Mortar

FINISHES



STORMSHIELD
Brick Slip Pointing Mortar

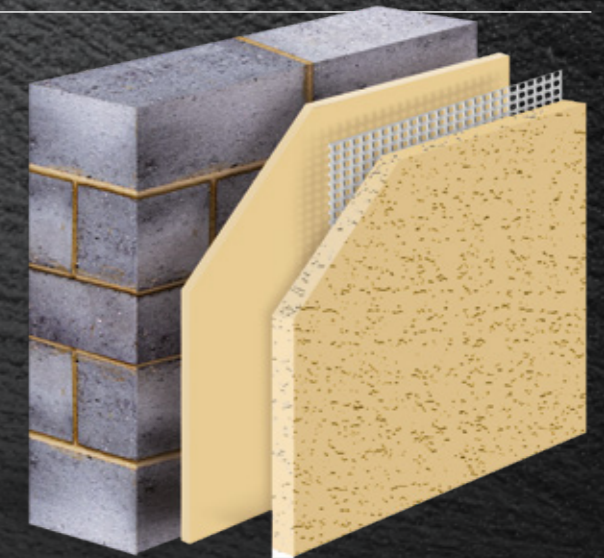


STORMSHIELD
Brick Slips

Brick Slip Pointing Mortar is available as standard in a range of 7 colours and can also be matched to client specification. Please see colour chart for additional information.
Brick Slips are available in a wide range of styles and types.

SCRATCH RENDER SYSTEM

A traditional through colour render system for exterior masonry surfaces. Stormshield Scratch Render is a high quality, cement based formulation that has been modified with polymer to provide a durable and attractive all weather solution for any project.

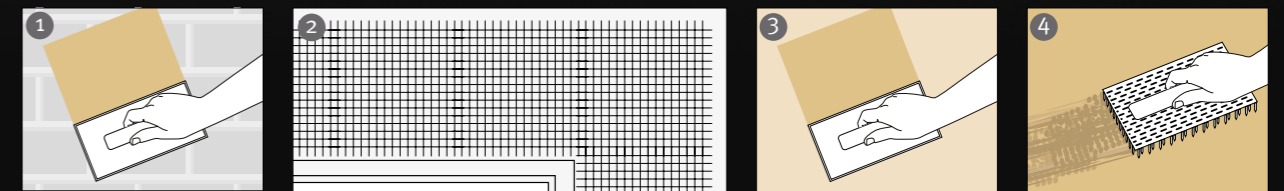


SYSTEM PRODUCT DETAIL

| | |
|------------------------|---|
| Key Coat/Primer | Dependent on substrate condition, porosity and type |
| Reinforcement | Stormshield Render Reinforcing Mesh Cloth |
| Finish | Stormshield Scratch Render |

Features

- Polymer modified, through colour cement render
- Good substrate adhesion
- Excellent long term fade protection
- Through-coloured for lower maintenance
- Suitable for new build and refurbishment work
- BBA Approved



1 Apply Stormshield Scratch Render to a depth of 8mm

2 Reinforce stress points, openings and corners with Stormshield Mesh Cloth

3 Apply second layer of Stormshield Scratch Render to a total depth of 15mm

4 Use a scratch float to remove the top 1-3mm and create the desired finish

FINISHES

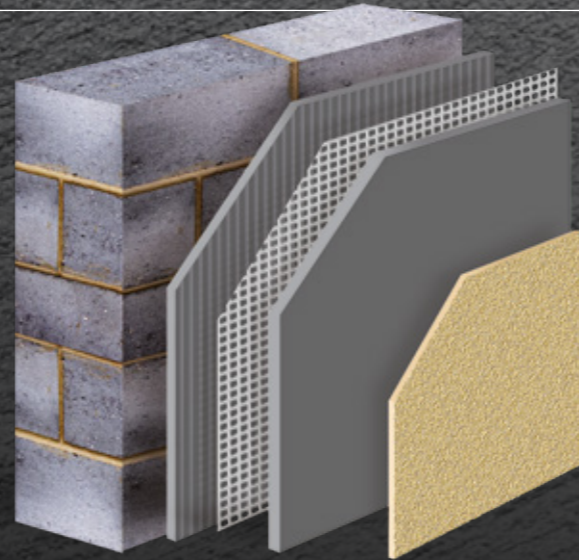


STORMSHIELD
Scratch Render

Stormshield Scratch Render is available as standard in a range of 14 colours and can also be matched to client specification. Please see colour chart for additional information.

MINERAL THIN COAT RENDER

Johnstone's Trade Mineral Thin Coat Render is a cement based product that can be applied in low temperatures. No primer is required, allowing it to be applied directly onto a basecoat. The cement based formulation sets rather than cures, making the product shower proof very quickly.

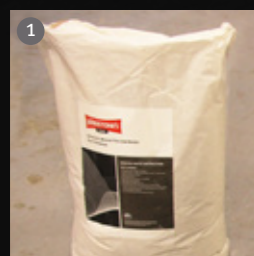


SYSTEM PRODUCT DETAIL

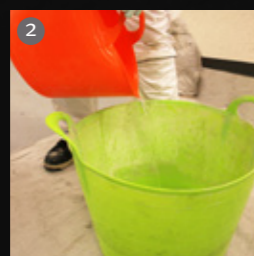
| | |
|----------------------|---------------------------|
| Basecoat | High Performance Basecoat |
| Reinforcement | Reinforced Mesh |
| Finish | Mineral Thin Coat Render |

Features

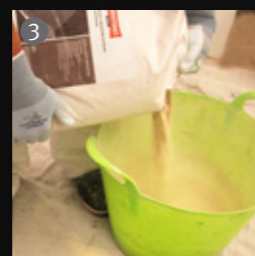
- No primer required – the product can be applied directly onto the basecoat, increasing the speed of the application
- Apply in low temperatures – can be applied in zero degree temperatures, removing the limitations of seasonal weather
- Fast drying – sets in 2-3 hours increasing productivity on the job and reducing the risk of wash off
- Easy application features – simple mixing procedure and fast application process



MTCR is a powdered product, try to ensure all bags are from the same batch.



To a clean mixing bucket, add 6.5-7 litres of clean water depending on preferred consistency.



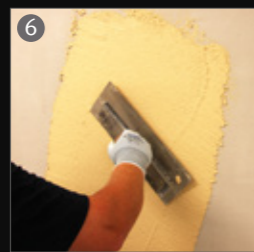
Add the MTCR to the water gradually.



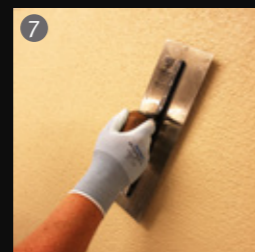
Mix with a suitable paddle mixer for 2-3 minutes.



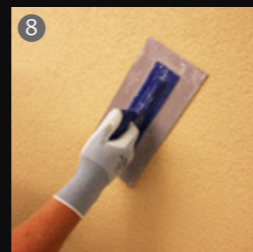
Allow to stand for 3 minutes, then mix for a further 2-3 minutes.



Apply using a stainless steel trowel or suitable spray equipment.



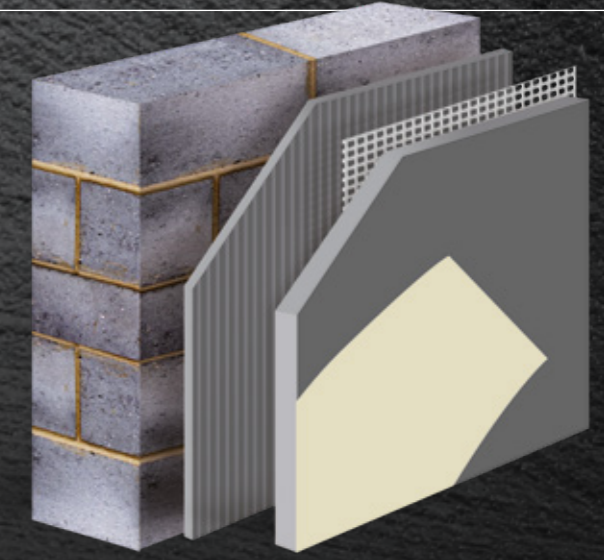
Cross trowel to ensure the minimum amount of material is applied to the correct thickness.



Finish with a plastic float, working the material in small circular motions.

OCR SYSTEM

A breathable, traditional cement based render that is manufactured in factory controlled conditions to ensure high quality product consistency. With simple material preparation when compared to traditional onsite sand and cement mixing plus its wet-on-wet application ability, Stormshield OCR is the ideal entry level choice. Combined, these features increase the overall speed of application, ultimately aiding the critical path of any project.

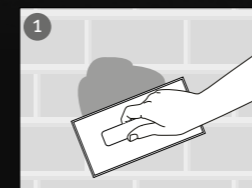


SYSTEM PRODUCT DETAIL

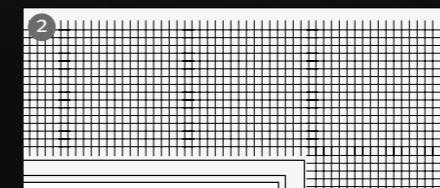
| | |
|--|--|
| Key Coat/Primer | Dependent on substrate condition, porosity and type |
| Basecoat | Stormshield OCR (One Coat Render) |
| Reinforcement | Stormshield Render Reinforcing Mesh Cloth |
| Render Finish or Paint Finish | Stormshield Silicone Enhanced or Full Silicone Primer and Render Johnstone's Stormshield Masonry Paints |

Features

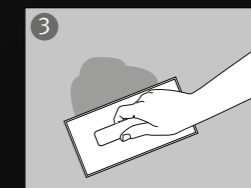
- Weather resistant (once a decorative finish is applied)
- Good substrate adhesion
- Simple material preparation
- Wet-on-wet ability increases speed of application
- Entry level price range
- Suitable for new build and refurbishment work



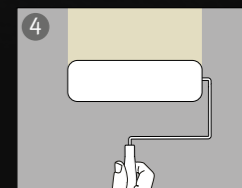
Apply Stormshield OCR to a depth of 7-8mm



Reinforce stress points, openings and corners using Stormshield Mesh Cloth



Apply second pass (wet-on-wet) of Stormshield OCR at 7-8mm, ensuring a total thickness of 15mm and work to a plain faced



Allow to dry and apply Johnstone's Stormshield decorative masonry paints or a Stormshield render finish of your choice

FINISHES



STORMSHIELD
Silicone Enhanced Render
• Available in 1.0mm or 1.5mm



STORMSHIELD
Full Silicone Render
• Available in 1.0mm or 1.5mm



STORMSHIELD
OCR is the ideal basecoat for Johnstone's BBA approved masonry paints.

Both finish options are available as standard in a wide range of colours and can also be matched to client specification. Please see colour chart for additional information.

COMPLEMENTARY EXTERIOR COATINGS

Offering the one stop shop for your exterior coatings needs, Johnstone's Trade offers an assortment of complementary high performance masonry paints - many of which have BBA approval. The products range from smooth to textured paints and include pliolite based exterior masonry coatings for a variety of substrates including previously rendered surfaces, rough cast brick, block and concrete.

REVOLUTIONARY PRODUCTS THAT HELP TO KEEP EXTERIORS LOOKING FRESHER AND CLEANER FOR LONGER

Stormshield Self Cleaning Masonry Paint is formulated using ground breaking nano technology in order to give an extremely smooth and dirt resisting finish. Having undergone stringent anti-carbonation tests to successfully meet the standards of Class 1 of the EN ISO 1062-6 accreditation, exteriors look cleaner for longer and resist the dulling effects of pollution, weathering and time.

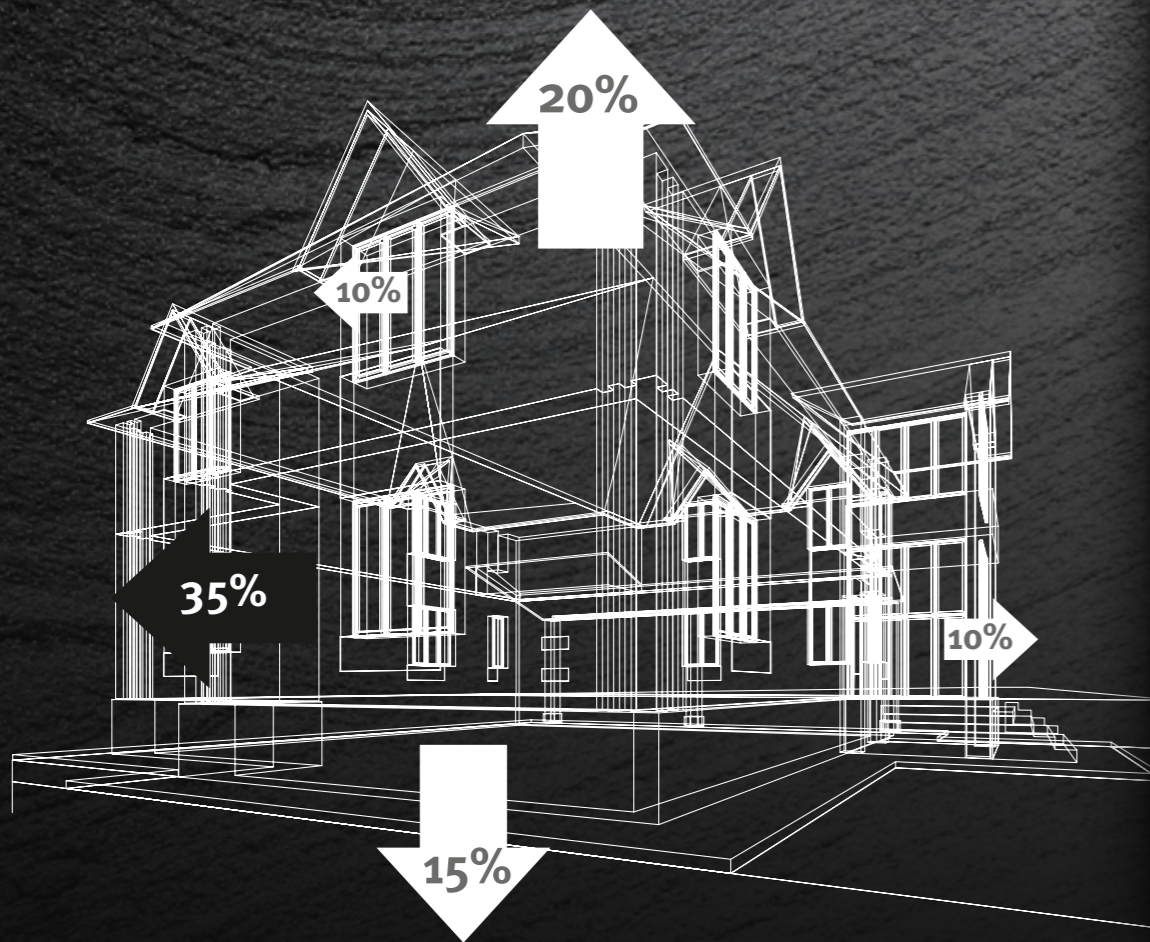
Stormshield Silicone Masonry Paint is a high performance full silicone coating designed to provide high levels of breathability whilst repelling surface water to ensure long lasting protection for exterior surfaces. Silicone Masonry Paint has been independently tested and achieves best in class ratings to a W value of W3 $\lt; 0.1$ when tested

under EN 1062-3 (breathability) and an Sd value of V1 - 0.05 when tested under EN ISO7783-2 (water repellent). The coating is also highly flexible to allow for surface movement to resist hairline cracking and water penetration, it is the perfect maintenance solution for surfaces that have previously been coated with silicone render.

JOHNSTONE'S STORMSHIELD EXTERNAL WALL INSULATION

Designed to insulate solid wall properties, both traditional construction and non-traditional housing, the Johnstone's Trade's range of EWI systems offer a range of insulation options that will significantly lower heating bills and carbon emissions, whilst a variety of finishes revitalise the appearance of homes as well as uplifting the surrounding area. If you're choosing a render colour as a finish for an External Wall Insulation System you may want to review the Johnstone's Stormshield Complete System Guide for External Wall Insulation which contains additional information about our systems and products.





SYSTEM MAINTENANCE

FULLY SPECIFIED MAINTENANCE PROGRAMMES

Johnstone's Trade will provide a detailed specification unique to the finish chosen for the future maintenance and upkeep of the system. Regular maintenance of all system joints and seals will prevent water ingress and cleaning the finish will both extend its life and maintain the aesthetic.

REPAIRING SYSTEM DEFECTS

As a regular part of maintaining any external render system periodically identifying cracks, holes and damaged sections and correctly repairing them is essential. Johnstone's offer full post installation technical support for the repair and maintenance of our systems and will make sure the right products are used to patch and repair them.

SUPPORTING RESIDENTS / HOME OWNERS

Johnstone's Trade can also work with our customers to provide all residents of properties where External Wall Insulation or Renders have been applied with a guide to maintaining their property. Many system issues are caused by accidental damage caused by home owners or tenants and by poor maintenance of rainwater and drainage systems.

JOHNSTONE'S STORMSHIELD PAINTS

Johnstone's Trade Stormshield offers a market leading range of masonry paint coatings most of which have been BBA approved and are suitable for use over previously rendered surfaces. This can be as a part of a decorative colour scheme on new work or as a part of a system refurbishment.



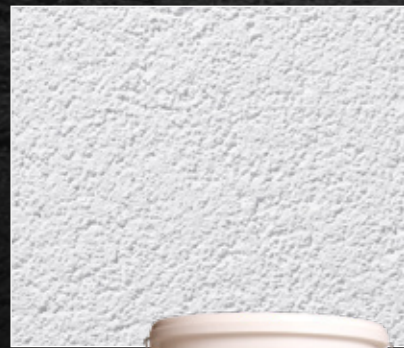
COLOUR & FINISHES

As a manufacturer of paints and coatings, Johnstone's Stormshield Render finishes are available in a wide variety of colours, and our textured renders can be quickly tinted to thousands of different shades. Durable and offering high performing protection against the UK's demanding weather conditions and seasons, Johnstone's Render finishes are the ideal products to create beautiful, colourful exteriors.



STORMSHIELD

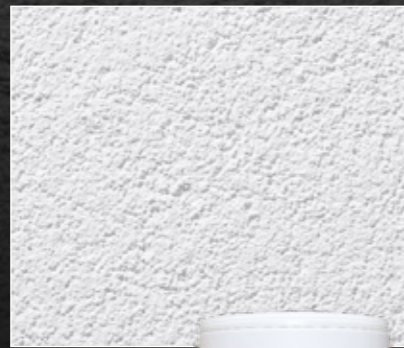
E W I & R E N D E R



FULL SILICONE RENDER

Johnstone's Stormshield Full Silicone Render is a high performance thin coat render formulated with silicone resins to offer a highly vapour permeable and water resistant finish.

- Available in over 150 specially selected standard colours and thousands of additional shades
- Greater colour choice than traditional render finishes
- Excellent breathability/vapour permeability
- Highly water repellent
- High elasticity
- Easily maintained using Johnstone's Trade Silicone Masonry Paint



SILICONE ENHANCED RENDER

Johnstone's Stormshield Silicone Enhanced Render is a high performance thin coat render formulated from acrylic resins and silicone additives to offer the perfect balance of affordability and durability.

- Available in over 200 specially selected standard colours and thousands of additional shades
- The greatest colour choice across all render finishes
- Highly water repellent
- Very good elasticity
- Most cost effective finish as acrylic paints can be used during the maintenance cycle



DASH RENDER

Johnstone's Stormshield High Performance Dash Render is a high performance cement based render, enhanced with high performance polymers; providing a durable and attractive all weather finishing coat.

- Available as standard in 14 dash receiver colours and 30 aggregate choices provides over 400 finish combinations
- Most hardwearing finish on the market - ideal for high impact areas
- Exceptional weather resistance
- Exceptional performance in harsh environments
- Low maintenance



BRICK EFFECT RENDER

Johnstone's Stormshield High Performance Brick Effect Render is a cement based high polymer formulation that provides a durable and attractive all weather finishing coat.

- Available as standard in a range of 12 mortar, stone and brick colours and can also be matched to client specification
- Cost effective brick simulation
- Excellent for when the background is of a lightweight construction
- Effective way to recreate features which may be lost if rendered over



BRICK SLIP

Johnstone's Stormshield Brick Slips are available and can be applied using Stormshield Brick Slip Adhesive and pointed with Stormshield Brick Slip Mortar.

- Available in the popular, traditional red brick colour in addition to a wide range of colours and textures
- Can recreate to near perfect, the actual façade being replaced
- Use to add features in traditional render systems



SCRATCH RENDER

Johnstone's Stormshield Scratch Render provides an attractive through colour coating for exterior masonry surfaces.

- Available in over 14 specially selected standard colours
- Resistant to UV degradation giving long term fade protection
- Highly durable
- Very good breathability/vapour permeability
- The smooth/negative texture provides durability without a hazardous texture – excellent for low level façades

MODERN ARCHITECTURAL DWELLING - BEECH HILL

Project

New Modern Architectural Designed Dwelling
(in a fine Country setting)

Contractor

MGW Contractors Ltd

Architect

Richardson Architecture Limited

Stormshield specification

100mm Enhanced EPS, Johnstone's Trade Stormshield
White Silicone Enhanced Render

A complete Johnstone's Trade High performance External Wall Insulation system has been used on the project.

The system was applied onto three different substrates in the construction of Beech Hill. The main structure for the 100mm Enhanced EPS was Porotherm hollow clay blocks with internal fins. The nature of the material provided it's challenges but these were overcome by the team by using a rotary setting whilst drilling which allowed for the fixing of the insulation boards to proceed without damaging the blocks.

The system was also applied to render carrier boards, where Johnstone's Trade Stormshield High Flexibility Basecoat was chosen for some feature detailing and its ability to homogenously blend into the EWI works.

The final substrate was In-situ concrete, where Key Coat Primer was used in conjunction with High Performance Basecoat for direct rendering and the same Stormshield Silicone Enhanced Render was applied.

Additionally free-standing ornamental garden walls were rendered using High Performance Basecoat and finished again with Silicone Enhanced Render, to provide a high quality, durable finish. The design aim of the architect was to produce white rendered finishes that blended into one stunning visual home & garden.



VISIT US AT: WWW.JOHNSTONESTRADE.COM

ANY ENQUIRES PLEASE CONTACT PPG TODAY



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