ecorend®

SR15
Render System Application Guide



SR15 Silicone Thin Coat Render

Substrate - Render carrier board

MATERIALS IN THIS GUIDE:

- Ecorend S10 Bonding Primer
- Ecorend FX4 Flexible One-Coat Base
- Ecorend FX1 Fibre Reinforcing Mesh
- Ecorend PVC Beads
- Ecorend SP15 Silicone Primer
- Ecorend SR15 Silicone Thin Coat Render

Project: .....

Main Contractor: ..... **Contact:** .....

Applicator: ..... **Contact:** .....

Architect: ..... **Contact:** .....

Materials Supplier: ..... **Tel:** .....

La Roc Registered Company Business Accreditation

This Application Guide should be read in its entirety, as it contains important information regarding pre-start installation and application of the system. It includes information on the desirable weather conditions for application, storage, protection and curing advice for the system. Please note, it is the responsibility of the installing contractor to form the project specific Method Statement that defines the appropriate Schedule of Works to reflect the project criteria. If any operations do not seem applicable, or if a required operation is not included, clarification should be requested from the Design Engineers or La Roc.

ISO 14001
Certificate No. EM2000940

OHSAS 18001
Certificate No. HS230650

ISO 9001
Certificate No. GB2005300

CONTENTS

An introduction to the manufacturer 3

SR15 Silicone Thin Coat Render product information 4

Colour Designer 5

General Pre-start information 6
- Provision of information NHBC
- Material storage and handling
- Use of clean water
- Weather conditions

Accommodating for movement 7
- Copings and capping

Construction considerations 9
- Scaffolding
- Moisture content of substrate
- Protection of build
- Building Fittings
- Cleanliness of the substrate
- Alignment of background
- Curing of the construction

Render System 10
- Setting up the area to be rendered
- Mixing of the render
- PVC render beads
- Application of the wet render
- Fibre mesh reinforcement
- Ruling off / levelling of render
- Applying the primer & finish

After care 17
- Cleaning
- Damage & repairs
- Painting
- Cracks

Detailed drawings 18
- Isometric system buildup
- Base bead detail
- Building corner detail
- Internal building corner detail
- Movement joint detail
- Party wall detail
- Roof junction detail 01
- Roof junction detail 02
- Soffit detail
- Stress patch detail
- Window / door head detail
- Window / door jamb detail
- Window sill detail

AN INTRODUCTION TO THE MANUFACTURER

MATERIALS MANUFACTURER:

La Roc Building Solutions Ltd
Dalton Industrial Estate
Dalton
North Yorkshire
YO7 3HE

T 01845 578 555
F 01845 578 777
E technical@la-roc.co.uk

www.ecorend.co.uk



La Roc is one of the UK's largest independent manufacturers of performance building products, with a claim to over 45 years of product innovation and manufacturing experience. We have pioneered polymer renders in the UK from the early 1970s and pride ourselves on being a progressive company, and a manufacturer of the highest quality.

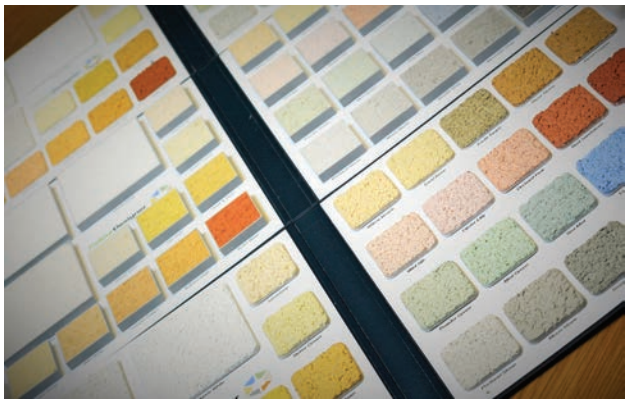
Our Ecorend Through-Coloured Render Systems will guard buildings from extreme UK weather conditions throughout the year – protecting from constant attack by water, frost and sun during the lifetime of the building. They are formulated using the most advanced raw materials available in the world. They are scientifically developed to the most exacting standards, and are rigorously tested. Not only are they designed to shield the building from weather, but they also add to the beauty of the design.

GUARANTEED QUALITY

Quality is our passion, and all our products are proven to work in the most demanding conditions. All carry EN approvals and conform to the relevant BS Standards for performance and quality. These, together with a rigorous and independently audited internal ISO 9001 system, guarantee excellence.

PROVEN PRODUCT PERFORMANCE

Our products are the best performing render systems available in the market. Each product carries a Declaration of Performance stating its category. Independent test reports are also available from the British Board of Agrement and Lucideon. Our confidence is based on our experience, independent testing and having the most advanced render development centre in this country.

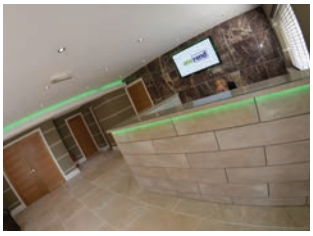




EXPERT TECHNICAL SUPPORT & ADVICE

We provide constant and up-to-the-minute technical support based on decades of practical and technical experience.

Our team of talented specialists are there to support your needs, whether that is for day-to-day advice on application, or for detailed specification back-up.





SR15 SILICONE THIN COAT RENDER PRODUCT INFORMATION

SR15 Silicone Thin Coat Render *Anti-Crack*



Product Information

SR15 Silicone Thin Coat Render is a full silicone-resin based, ready-to-use, through-coloured, anti-crack, high performance, flexible thin coat render that is extremely weather resistant and highly breathable. Using high performance silicone resin technology, this ultra-water repellent formulation provides excellent facade protection and can be applied by hand or spray.

IDEAL FOR NEW BUILD AND REFURBISHMENT - ECOREND BASE COAT IS REQUIRED

Water Repellent | Suitable for Spray Application | High Adhesion | Highly Polymer Modified | Long Term Protection & Low Maintenance | Enhanced Product

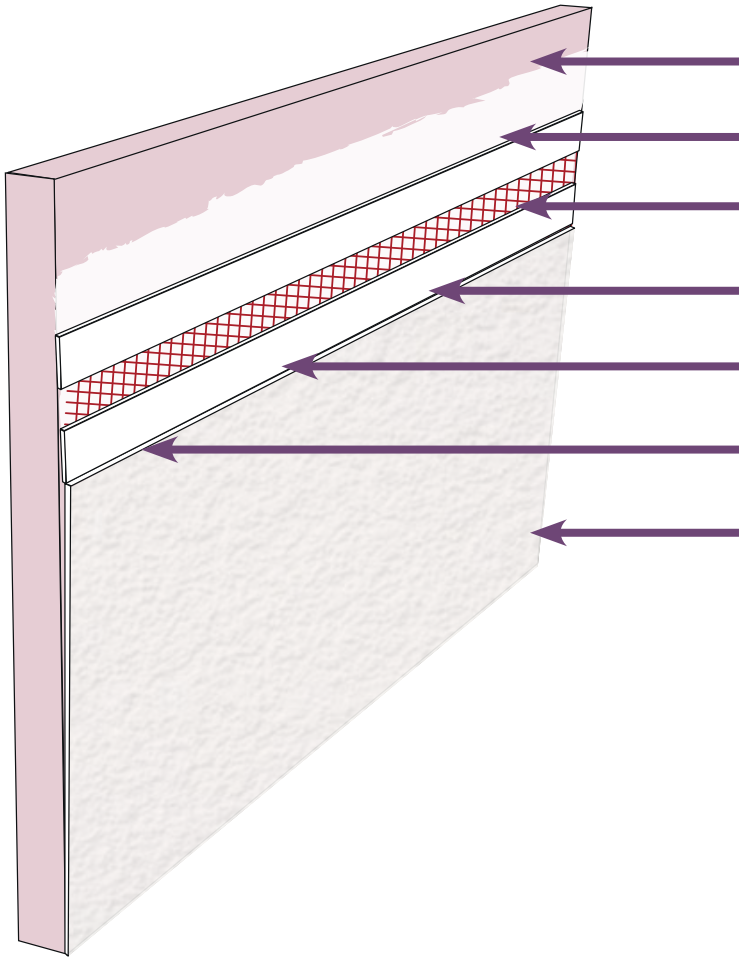
CE

La Roc
Dalton Industrial Estate, Dalton,
North Yorkshire Y07 3HE
14

Ecorend SR15 Silicone Thin Coat Render
Water diluted external render based on organic binder

EN 15824:2009

Reaction to fire	Class C (Class 0 as a part of external insulation system)
Water vapour permeability	V2 (Medium)
Water absorption	W3 (Low)
Adhesion	> 0.3MPa
Durability	Not applied
Thermal conductivity Table A.12 EN 1745	(λ10, dry) 0.66 W/mK (tab. mean value; P = 90%)



Render carrier board
(fixed in accordance with manufacturers instructions)

S10 Bonding Primer
1 coat

FX4 Flexible One-Coat Base
(1st pass 3mm thickness)

FX1 Fibre Reinforcement Mesh
(to be embedded in the basecoat)

FX4 Flexible One-Coat Base
(2nd pass 3mm thickness)

SP15 Silicone Primer
(1 coat)

SR15 Silicone Thin Coat Render
(1.5mm finished thickness)

RENDER FINISH TEST PANEL

Before the start of application on-site we recommend a test panel is produced on-site to allow inspection by the client, customer, architect etc, so all concerned are happy and in agreement with the render's finish, texture, colour and appearance.

COLOUR DESIGNER

Colour plays a vital role in our world, it can sway thinking, change our actions and reactions, transform a building and compliment the design. To help with your decisions, our sample department will make and provide true samples from which to select the colour and finish of your choice. There are 33 designer colours to choose from.

ColourDesigner


Antique White

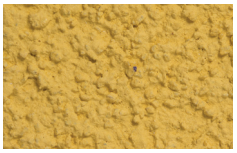

Chalk White


Marble White


Sandstone


African Ivory


Butter Cream

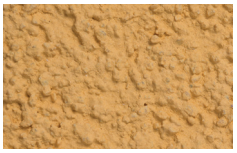

Old Gold

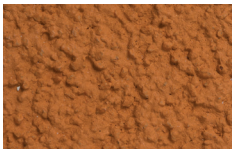

Dusk & Dawn


Travertine Stone


Wild Straw


Cornish Cream

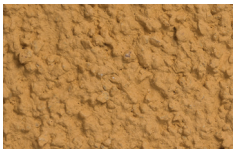

Autumn Leaf

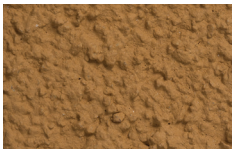

Tudor Rose


Willow Beach


Sand Dune


Earth Taupe

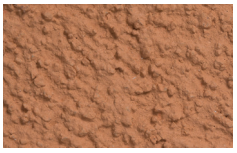

River Stone

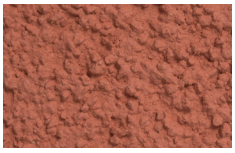

Fired Copper


Wild Silk


Oyster Lilly

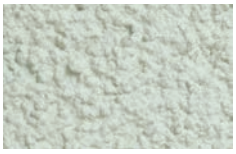

Orchard Pink


Red Sandstone

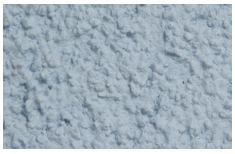

Fired Earth


Powder Green


Mint Green


Sea Mist


Luckworth Blue

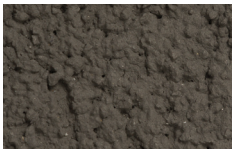

Blue Sky


Portland Stone


Moon Stone


Smoke Grey


Mountain Grey


Platinum Metal

Disclaimer: *Please note that all colours within this colour selector have been displayed as accurately as the print process will allow and that slight variations in colour will possibly occur. Please request a specification sample before final colour is accepted.*

GENERAL PRE-START INFORMATION

PROVISION OF INFORMATION NHBC - 6.11.2

- Designs and specifications shall be produced in a clear, understandable format, include all relevant information and distributed to all appropriate personnel.
- Design and specifications should be issued to site supervisors, specialist subcontractors, and/or suppliers where relevant, including the following:
  - A full set of drawings indicating areas to be rendered, and construction details. e.g. the position of movement joints and how interfaces are formed.
  - The render manufacturers technical information, including parts of the system design manual or installation guidance relevant to the specific site and construction type.
  - Detail of the substrate and background.
  - Detail of any technical assessments *(i.e. third party certification)*
  - Details of interfaces and abutments, such as joints, junctions and service penetrations.
  - Ancillaries that form part of the rendering system.

MATERIAL STORAGE AND HANDLING

It is essential to store all cement-based materials off the ground (preferably on a pallet), to ensure no water or damp can penetrate through the packaging, as this would render the product unusable. Stretch wrap is commonly used to secure the product on the pallet during transportation, however this will not guarantee protection against adverse weather conditions. It is important to use materials from the same batch when completing full and connecting render panels to ensure consistency throughout the render. Once stored in recommended conditions, cement based products have a shelf life of 12 months.

All products are manufactured to La Roc technology formulations using approved selected raw materials and ingredients. Consideration should be given to the health and safety guidance regarding cement-based materials. Material safety datasheets are available on request from La Roc for all system components. No additives must be added to products without specific approval. La Roc products are available as factory batched, dry bagged mortar mixes, also pre-mixed tubbed materials and liquids that are ready to use, bagged products are ready for use just by adding water.

USE OF CLEAN WATER

IMPORTANT: Use clean water when mixing the render to ensure no contamination occurs. The water supply must be accessible throughout the project.

NOTE: When applying by pump some machines require connection to a dedicated, uninterrupted supply. Failure in that supply will stop application.

WEATHER CONDITIONS

Rendering shall only be carried out in suitable weather conditions, unless appropriate precautions are taken. The weather conditions for application and drying are critical.

- Do not apply if any of the following conditions are likely to arise during, or in the first 24 hours following application:
  - If frost is forecast, or in wet conditions and when relative humidity is above 85%, in temperatures below +5°C or above +25°C.
  - If the elevation is in direct sunlight or if the substrate is hot (30°C or above) or below +5°C.

FOLLOW THE GUIDANCE BELOW IF APPLYING RENDER AND WEATHER CONDITIONS CHANGE BEYOND YOUR CONTROL TO BE – WET – WINDY – HOT

- In wet conditions ensure downpipes or temporary down pipes are projected away from the render.
- In excessive direct sun/and heat or wet/windy conditions protect the facade with temporary protection during the curing of the render.
- It is the responsibility of the application contractor to manage and record the weather conditions during application and curing of the product.

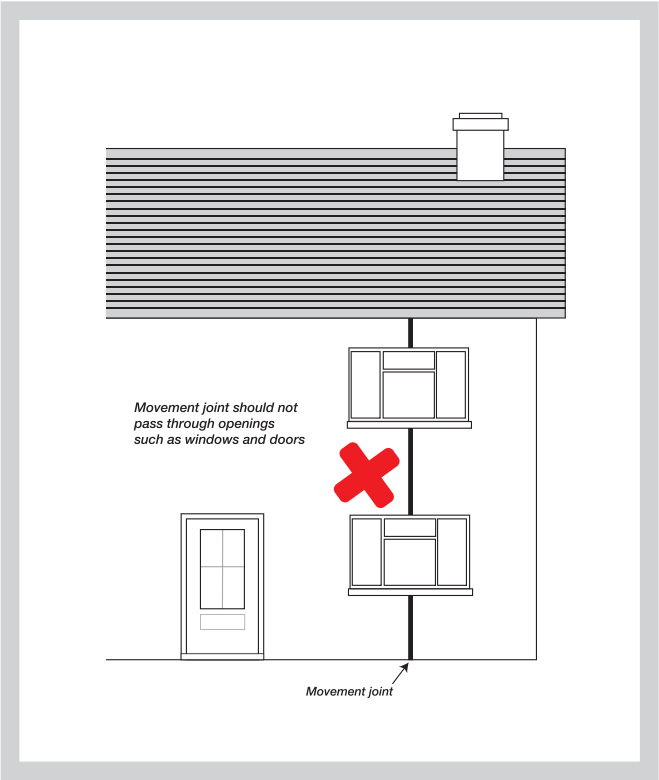
ACCOMMODATING FOR MOVEMENT

The construction should include appropriate measures to reduce the risk of damage to the render caused by movement in the background, such as shrinkage, thermal or differential movement. The designer should follow the NHBC R5 structural design requirement, and guidance for movement in NHBC render standard 6.11.5 and in line with background manufacturers recommendations.

Where movement joints are provided, they should:

- Continue through the background and render *(including horizontal beads)*
- Be made weather tight with an appropriate sealant
- Not align with openings such as windows, doors or meter boxes
- Movement joints solely within the render will not prevent cracking





GOOD PRACTICE FOR POSITION OF BACKGROUND MASONRY MOVEMENT JOINTS

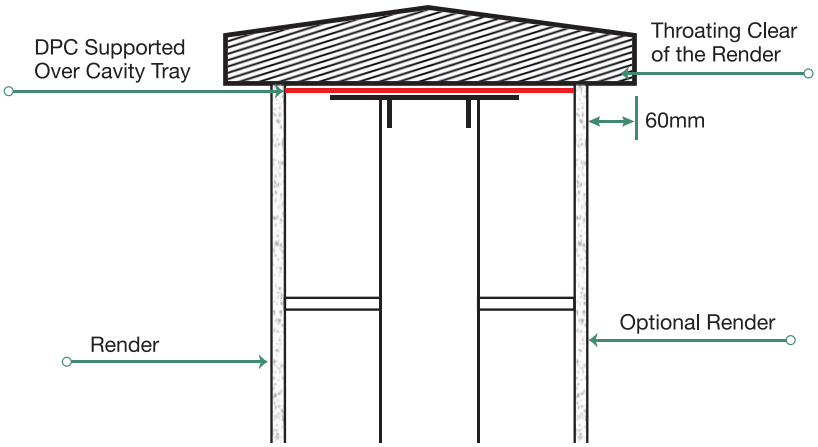
Buildings constantly move due to seasonal and daily weather conditions. Please note that cracking of the substrate will occur, generally at the weak points in the building, such as openings or near corners if poor construction techniques have been used or insufficient movement/restraint has not been allowed for in the designs. The render will not be at fault in these cases.

ACCOMMODATING FOR MOVEMENT - *CONTINUED*

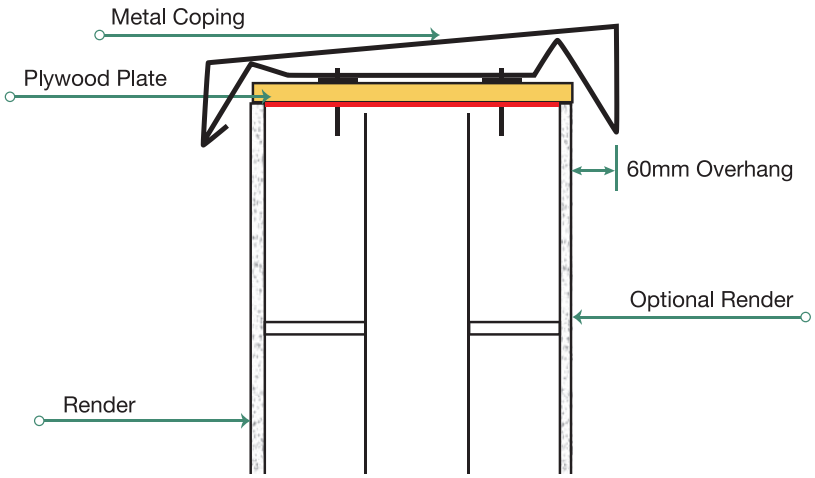
COPINGS AND CAPPING

Render should be protected from damage by copings, cappings or sills made of material with low permeability by using suitably detailed DPC's. A minimum of 60mm projection with the throating drip detail should be provided to all copings, cappings and sills.

NOTE: Extending copings, cappings or sills will project water from the face of the render and ensure that staining is prevented.



Stone Coping Detail



Metal Coping Detail

CONSTRUCTION CONSIDERATIONS

SCAFFOLDING

Before you carry out any work, ensure the scaffolding gives you access to all external surfaces. Avoid site lines showing when the scaffold is stripped by not placing scaffold tubes close to the walls. We recommend that scaffolding be independently tied. This allows uninterrupted application, as patch repairs can be visible. You should make sure there is sufficient space (minimum of 150mm) between the inner board and the wall to be rendered.

MOISTURE CONTENT OF SUBSTRATE

A temporary cover should be installed to prevent the building components becoming saturated during the construction stage. It is important to ensure the temporary down pipes are positioned to direct water away from the wall throughout the project to eliminate algae/fungal growth. If the substrate becomes saturated the high levels of moisture will increase the drying and shrinkage. This will have an adverse effect and weaken the bond between the substrate and the render. Consequently, this will prolong the drying and curing of the render and increase the likelihood of lime bloom (efflorescence) on the finished exterior.

PROTECTION OF BUILD

It is fundamental during the construction process to protect the building from adverse weather. If exposed to rain and allowed to become saturated this will increase the risk of movement due to drying and shrinkage. In addition to this, it will become increasingly at risk from cracking within the substrate, which will be apparent in the final applied render. Therefore, it is beneficial to protect all exterior facades during the construction programme to ensure application is unaffected during inclement or cold weather.

BUILDING FITTINGS

All building fixtures must be installed in advance, prior to the application of the render. This includes copings, cappings and flashings, windows and doors, soffits and fascias etc. The fittings must be installed correctly to ensure the finished render is protected from any rainfall, which can cause localised staining or darkened patches. Flue pipes, air bricks and weep holes should also be in their final position to minimise any repair work to the finished render after the installation. Repairs to a finished render can cause inconsistency within the finished appearance compared to main wall areas and are often visible on completion.

CLEANLINESS OF THE SUBSTRATE

To attain the best adhesion, substrates must be clean, sound, dry, and free from any dust, fungal growth or oil contamination. Fungal or algae growth can be removed using a wash of ecorend XR1 Fungicidal Wash.

RENDER SYSTEM

Render System	
Substrate	Render carrier board (fixed in accordance with manufacturer's instructions)
Finish	Ecorend SR15 Silicone Thin Coat Render 1.5mm
System	SR15/RCB

System Components	Product Information
Primer	Ecorend S10 Bonding Primer *(1 coat)*
Basecoat	Ecorend FX4 Flexible One-Coat Base with Ecorend FX1 Fibre Reinforcement Mesh included in the 1st pass of base coat and additional 500 x 300mm stress patches added around all stress points and all vulnerable areas where required - *Finished Thickness 6mm*
Primer	Ecorend SP15 Silicone Primer *(1 coat colour same as finish)*
Finish	Ecorend SR15 Silicone Thin Coat Render 1.5mm *(colour to be selected by the specifier)*

Profiles & Accessories	
Fibre Mesh	Ecorend FX1 Fibre Reinforcement Mesh
Stop beads	Ecorend 6mm PVC Stop Bead
Corner beads	Ecorend 6mm PVC Corner Beads / or Wing Mesh Angle Bead
Drip beads	Ecorend 6mm Bell Cast Bead
Movement beads	Ecorend 6mm Movement Joint Bead

SETTING UP THE AREA TO BE RENDERED

All surfaces must be sound, clean, dry and free of any material, which may impair adhesion. Do not apply to shiny surfaces. Scaffolding must be independently tied to allow for uninterrupted application. Any faults in the structure, particularly those that may lead to moisture penetration, must be rectified. Mask around the areas where material is to be applied. Beads and expansion joints should be included as required by the substrate and BS standards and carried through all applied materials.

Masking products should be used to protect adjacent work and to provide clean straight edges. During this process, consideration should be given to the protection of glass and aluminium surfaces. Splashes of cement products can lead to surface etching and synthetic materials are not easily removed. Masking tape must be removed immediately after finishing, before the material has dried out.

RENDER SYSTEM - *CONTINUED*

PRIMING THE RENDER CARRIER BOARD

Ecorend S10 Bonding Primer is a full silicone resin primer. The silicone resin ensures that the primer is highly vapour permeable and matches the high vapour transmission rate of the mineral render, it will ensure an equal drying rate of the render system to support colour consistency and promote good adhesion.

Apply - Neat in 1 coat using a brush roller or spray.

MIXING OF THE RENDER BASE COAT - FX4

The key methods of mixing for Ecorend FX4 Flexible one-coat base are as follows:

- Render pump
- Paddle or pan mixer

Ecorend FX4 Flexible One-Coat Base should be mixed with clean water at a rate of approximately 4.5 to 5.0 litres per 25kg bag using a suitable paddle or pan mixer, mix for 2 minutes, allow standing for 2 minutes then re-mix. This process allows the additives to dissolve and activate.

Render Pump – flow rate should be checked on site for specific machine before application starts to determine correct consistency.

When mixing, the following should be considered:

- Use only materials directed in correct quantity.
- Discard suspect materials, which are damp or contaminated.
- Measure and maintain by volume proportion of gauging water.
- Don't over mix. Only mix sufficiently to combine materials - then use immediately.



Add powder to clean water



Mix using paddle mixer

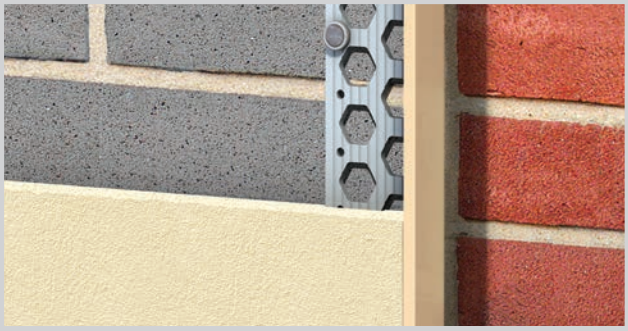
NOTE: Ecorend FX4 Flexible One-Coat Base may stiffen on standing. Re-mix the product to regain a workable consistency but do not add any more water.

RENDER SYSTEM - *CONTINUED*

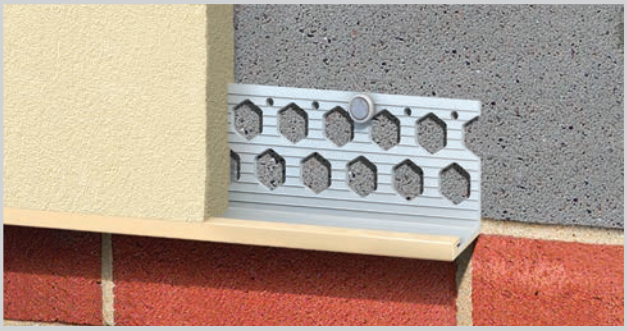
PVC RENDER BEADS

We supply a range of PVC beads that perform different roles within the render system.

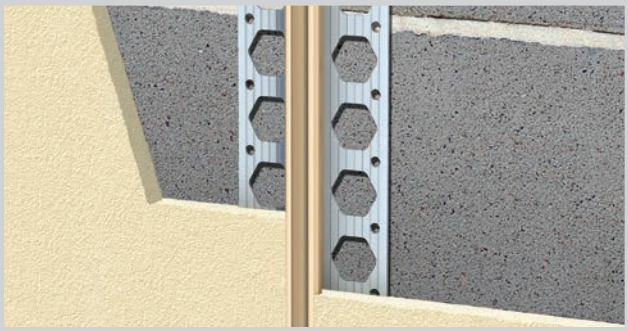
- **Corner beads:** provide clean straight edges and additional strength at external angles.
- **Bell cast beads:** provide a horizontal joint usually at DPC level and are designed to drip the water away from the facade.
- **Stop Beads:** provide a clean edge when butting up to windows or door frames, or any other termination in the render.
- **Expansion Beads:** As used to mirror the substrate expansion joints and prevent cracking.



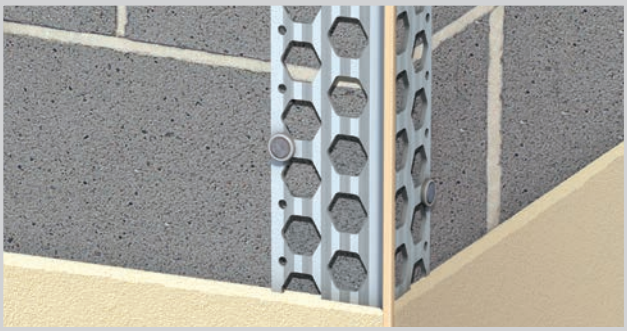
Stop Beads



Bell Cast Bead/Drip



Movement Joint



Corner Bead

FIXING THE PVC RENDER BEADS

Stainless steel fixings – Dry fix:

- Using stainless-steel fixings and mechanically fixing the beads to the concrete block substrate at a maximum of 300mm centres.

Wet fix:

- Using Ecorend FX4 Flexible one-coat base as a bead adhesive, this approach enables the user to align the beads to the desired level and thickness. **NOTE:** Do not use Gypsum based products to fix the beads by just trowelling render over the wing of the bead, this will result in a weakness of the render bond.

To attain a strong adhesion, dabs of bead adhesive should be applied directly to the substrate at a minimum of 300mm centres apart. A dab consists of a bed of material to width of the bead wing (40mm), it should be approximately 100mm in length and to a maximum thickness of 6mm. If additional support is needed, it is advisable to use continuous dabs when attempting to correct minor misalignment of the construction. Press the bead into the freshly applied dabs with a trowel to secure the bead wing and ensure it is fully embedded. Trowel away the excess render as you secure the bead in place. **NOTE:** The bead adhesive needs to be set back from the nose of the profile to ensure render coverage of at least 10 to 12mm.

The bead will set in a maximum of 2-6 hours at 20°C. Note the substrate type will determine the overall set time of the product, this is due to the different suction properties.

RENDER SYSTEM - *CONTINUED*

APPLYING THE WET ECOREND FX4 FLEXIBLE ONE-COAT BASE

Apply with a stainless-steel trowel or spray pump, and for ease of application a feather edge and finishing spatula will help.

- Apply the 1st pass to approx. 3mm thick with fibre-reinforcing mesh included in the 1st pass ensuring that the mesh is overlapped 100mm at the mesh joints. Additional fibre-reinforcing mesh stress patches of 500 x 300mm should be added at all openings, i.e. windows and doors, and window reveals for additional substrate stress protection
- The 2nd pass should then be applied to approx. 3mm thick wet on wet to the 1st pass levelled flat and should be left to pick up for 2 to 8 hrs and then be wet sponge float finished at and allowed to set. Total thickness = **6mm**



Product is ready for application when it is a workable and creamy consistency



Apply Ecorend FX4 Flexible One-Coat Base to substrate



Trowel down with 6mm notch to get 3mm thickness



Bed fibre mesh into Ecorend FX4 Flexible One-Coat Base

RENDER SYSTEM - *CONTINUED*



Overlap fibre reinforcing mesh by 100mm at the joints



Add 300 x 500mm fibre reinforcing patches at stress points, windows and door openings etc.



Once 1st pass has picked up, apply 2nd pass at 3mm to build up to total of 6mm finished thickness



Flatten down with a spatula as required



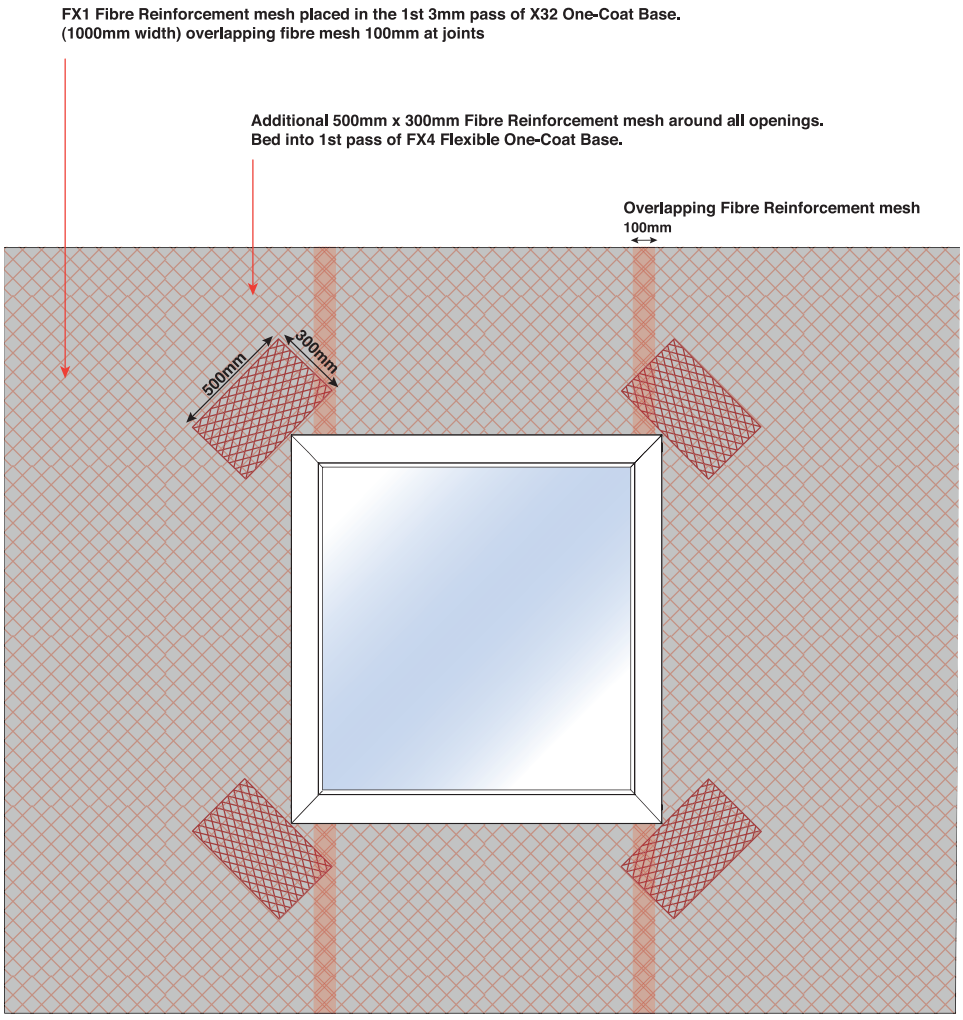
Once initial set has taken, wet sponge float finish, flat and smooth, then leave to dry out

RENDER SYSTEM - *CONTINUED*

FIBRE REINFORCEMENT MESH DETAIL – CRACK CONTROL ON OPENINGS

You can reduce the risk of cracking at high stress locations, with the following precautions. Introduce fibre reinforcement mesh to potential stress fracture locations, such as around windows and doors and crack-prone points such as weep vents. Cracking won't be prevented with this step alone, this is only included as an additional precaution to well-constructed and reinforced substrate materials. If existing masonry has cracked, or where the abutment of two forms of masonry meet, we recommend that this is first repaired or reinforced by retrofitting a bed joint reinforcement solution or by creating a movement joint. When you've completed this, the fibre reinforcement mesh should be applied a minimum of 500mm past the line of the cracking in all directions.

NOTE: The fibreglass reinforcement mesh should not be mechanically fixed but fully bonded and embedded within the render during the initial application of the 1st pass. The positioning of the mesh is critical within the render thickness; no contact should occur with the substrate; it needs to be located mid thickness in a zone of the first 5mm of base coat. The mesh should be pressed evenly into a freshly applied pass of render using a trowel or spatula. The mesh must be encapsulated in a wet on wet process to achieve the monolithic bond of the subsequent pass of render. Mechanically fixing the mesh is not in order and will impair the bond of the render to the wall. It is not a carrier lathing. Press evenly into the freshly applied render with a trowel or spatula.



Stress patch detail

RENDER SYSTEM - *CONTINUED*

RULING OFF / LEVELLING OF RENDER

In order to attain a flat level finish the render should be applied evenly, in passes, and levelled with a straight edge-levelling tool. Whichever method of application is used (machine or hand) it is recommended that levelling tools be used as part of the process. Specialist serrated edges for levelling ecorend materials are favoured due to the ease of handling, and help to remove air pockets trapped in the wet render during application, particularly from hand application.

Once the material is applied it should then be ruled level and flattened with a spatula to allow for finishing. This should be done during application whilst the material is still workable.

Feather edge tools and a spatula are recommended to help identify hollows and high spots before finishing the render.



Skimming spatula



Feathered edge

APPLYING THE PRIMER AND FINISH

Once Ecorend FX4 Flexible One-Coat Base coat is fully dry, apply an even coat of Ecorend SP15 Silicone Primer with paintbrush, or lamb's wool roller or spray depending on the size of the substrate and allow to fully dry.

Then apply Ecorend SR15 Silicone Thin Coat Render, using a stainless-steel trowel, or suitable spray equipment depending on the grain size. Use the size of the aggregate to gauge the thickness of the render when applying to the substrate i.e.: SR15 = thickness 1.5mm. Once the render is applied, finish with a plastic float working the material in small circular motions, this will create a natural random surface

(A)Take Ecorend SR15 Silicone Thin Coat Render material from the tub and apply onto board





(B) Then apply Ecorend SR15 Silicone Thin Coat Render with a stainless-steel trowel to the thickness of the aggregate ensuring that the material is only the thickness of the aggregate. Ensure that the material is applied tight back to the substrate, do not lay on, use the aggregate size to determine the thickness.



RENDER SYSTEM - *CONTINUED*

(C) Once applied to the thickness of the aggregate, it will be very easy to finish the render using a flat plastic float. Rubbing the render in small circular motions, and during this removing the fat from the render and continuing to smooth down. If the finishing feels very sticky you have applied the render too thick and need to remove the excess so that the render is on very tight





(D) Finish should be flat, level and even



AFTER CARE

Cleaning
Ecorend render may be cleaned periodically with the use of a pressure washer mixed with a mild detergent in water. Special attention should be taken to select the correct nozzle spray pattern before cleaning commences. The nozzle should be adjusted to form a fan rather than a jet spray, as the latter could be too abrasive especially at the exposed edges. The period between treatments is purely dependent upon the amount of ground floor pedestrian 'traffic' and local climate conditions. Organic growth should be brushed off the surface and subsequently treated with Ecorend XR1 Fungicidal Wash.

Damage & Repairs
Ecorend render is a through-coloured material, therefore scratches, scuffs, and abrasions will not be as noticeable as with traditional painted renders. Once applied, ecorend products are finished materials and therefore repairs and patches are more likely to be apparent. For this reason we would recommend that full panels be removed and replaced.

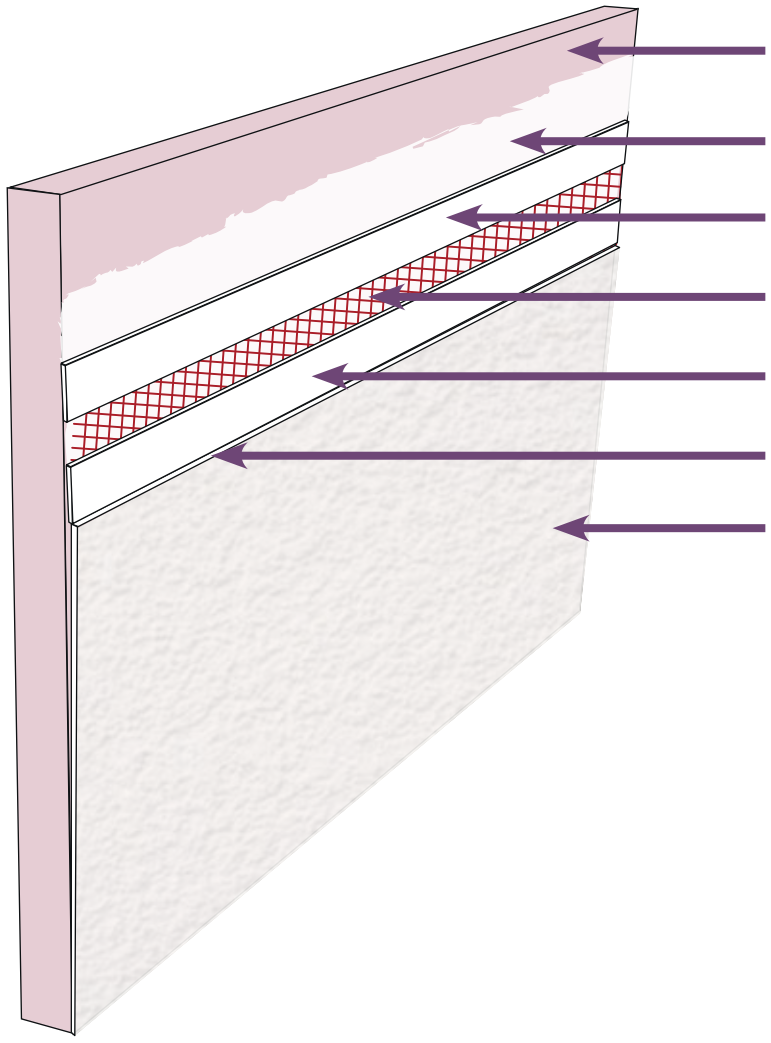
Painting
Ecorend SP77 Silicone Masonry Paint is a high performance, highly breathable paint that gives outstanding long term durability and performance. Providing that the render is clean, dry and sound, a direct application of Ecorend SP77 Silicone Masonry Paint is recommended.

Cracks
Straight line cracking is not a commonplace sign of render failure, but more likely an indication towards a crack in the substrate. Any cracks or irregularities should be thoroughly inspected by a structural engineer prior to repair work being carried out, in order to determine the possibilities of any further movement. Undefined cracks that remain dry and sound are usually best left alone. Any remedial work carried out, however carefully done, will inevitably result in some differences in appearance.

To the best of our knowledge and belief, this information is true and accurate. However, as conditions of use of the product and the expertise of any labour involved are beyond our control, the end user must satisfy themselves by prior testing that the product is suitable for their specific application if no spec has been provided for the project in hand. No responsibility can be accepted, nor any warranty given by our Representatives, Agents or Distributors. Products are sold subject to our Standard Conditions of Sale and the end user should ensure that they have consulted our latest literature, and all new publications supersede any previous versions.

DETAILED DRAWINGS

ISOMETRIC SYSTEM BUILD UP



Render carrier board
(fixed in accordance with manufacturer's instructions)

S10 Bonding Primer
1 coat

FX4 Flexible One-Coat Base
(1st pass 3mm thickness)

FX1 Fibre Reinforcement Mesh
(to be embedded in the basecoat)

FX4 Flexible One-Coat Base
(2nd pass 3mm thickness)

SP15 Silicone Primer
1 coat

SR15 Silicone Thin Coat Render
(1.5mm finished thickness)

DETAIL	Isometric System Build Up	DRAWING ID	SR15 / RCB / 001		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

DETAILED DRAWINGS - *CONTINUED*

BASE BEAD DETAIL



Background

Render carrier board
(fixed in accordance with manufacturers instructions)

S10 Bonding Primer
(1 coat)

FX4 Flexible One-Coat Base
(6mm thickness)

FX1 Fibre Reinforcement Mesh
(to be embedded in the basecoat)

SP15 Silicone Primer
(1 coat)

SR15 Silicone Thin Coat Render
(1.5mm)

PVC bellcast bead 10mm
(mechanically fixed at maximum 300mm centres)

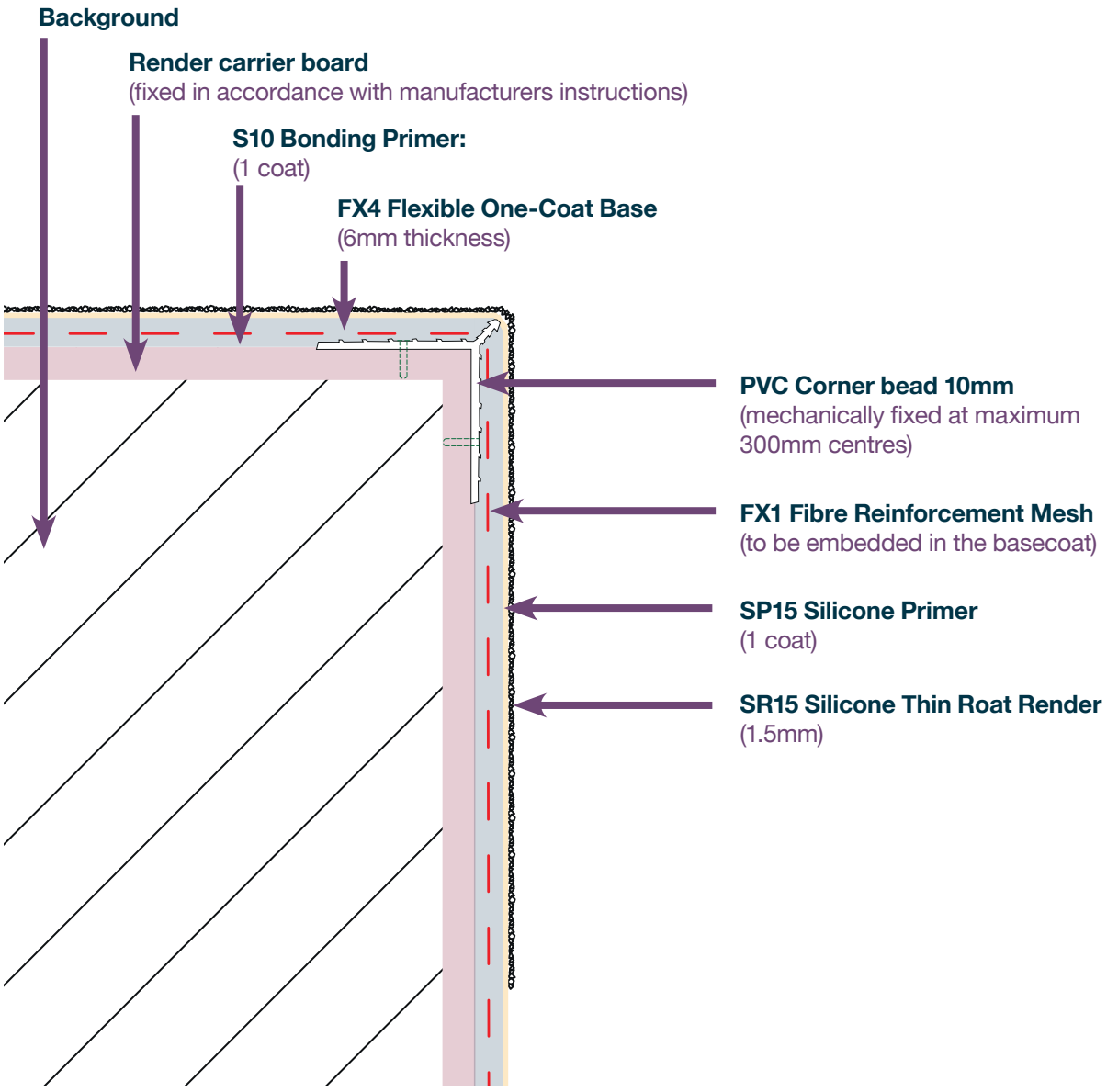
External Silicone Sealant

Render should be applied at a min 150mm above ground level and above DPC.

DETAIL	Base Bead Detail	DRAWING ID	SR15 / RCB / 002		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

DETAILED DRAWINGS - *CONTINUED*

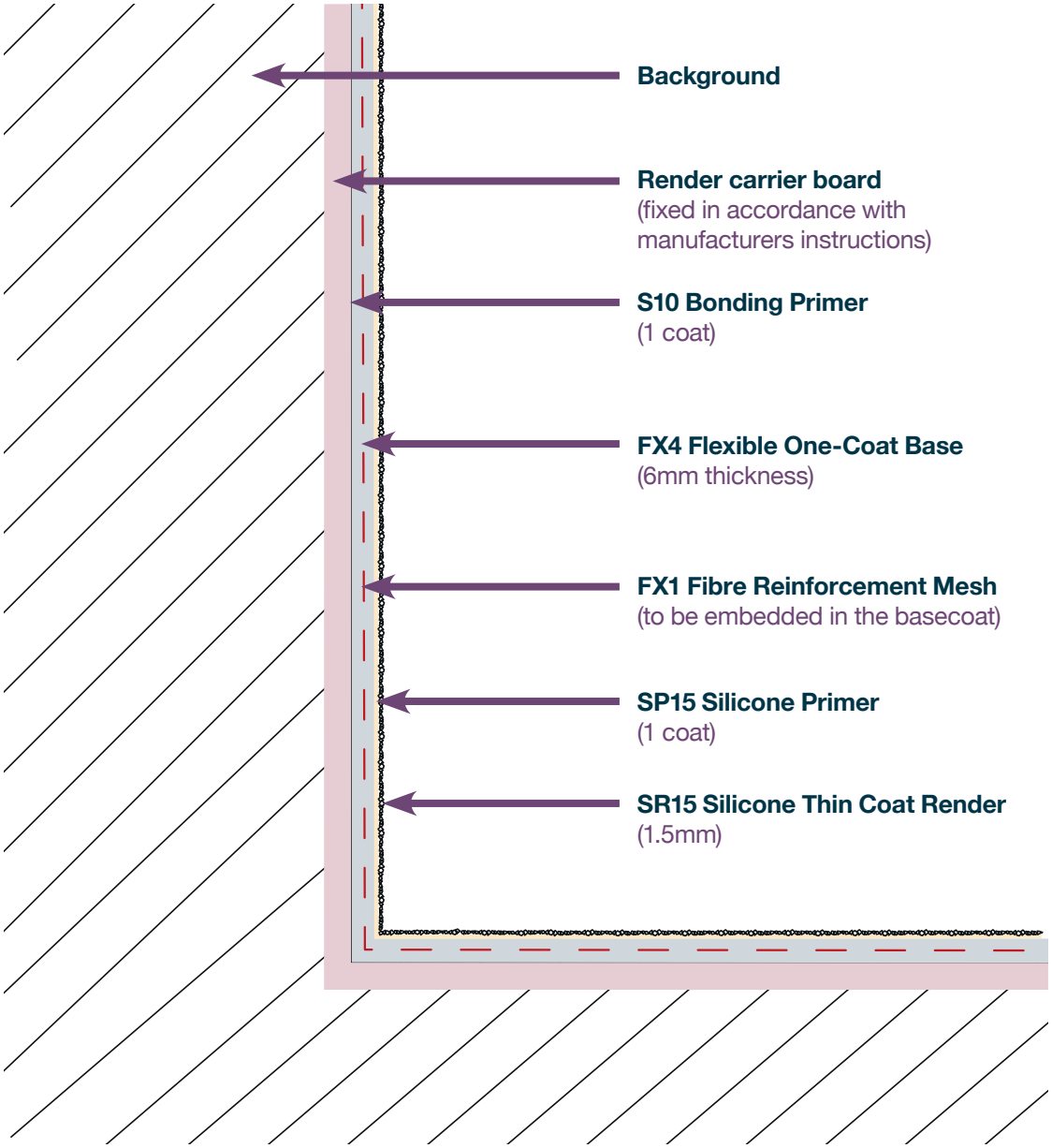
BUILDING CORNER DETAIL



DETAIL	Building Corner Detail	DRAWING ID	SR15 / RCB / 003		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

DETAILED DRAWINGS - *CONTINUED*

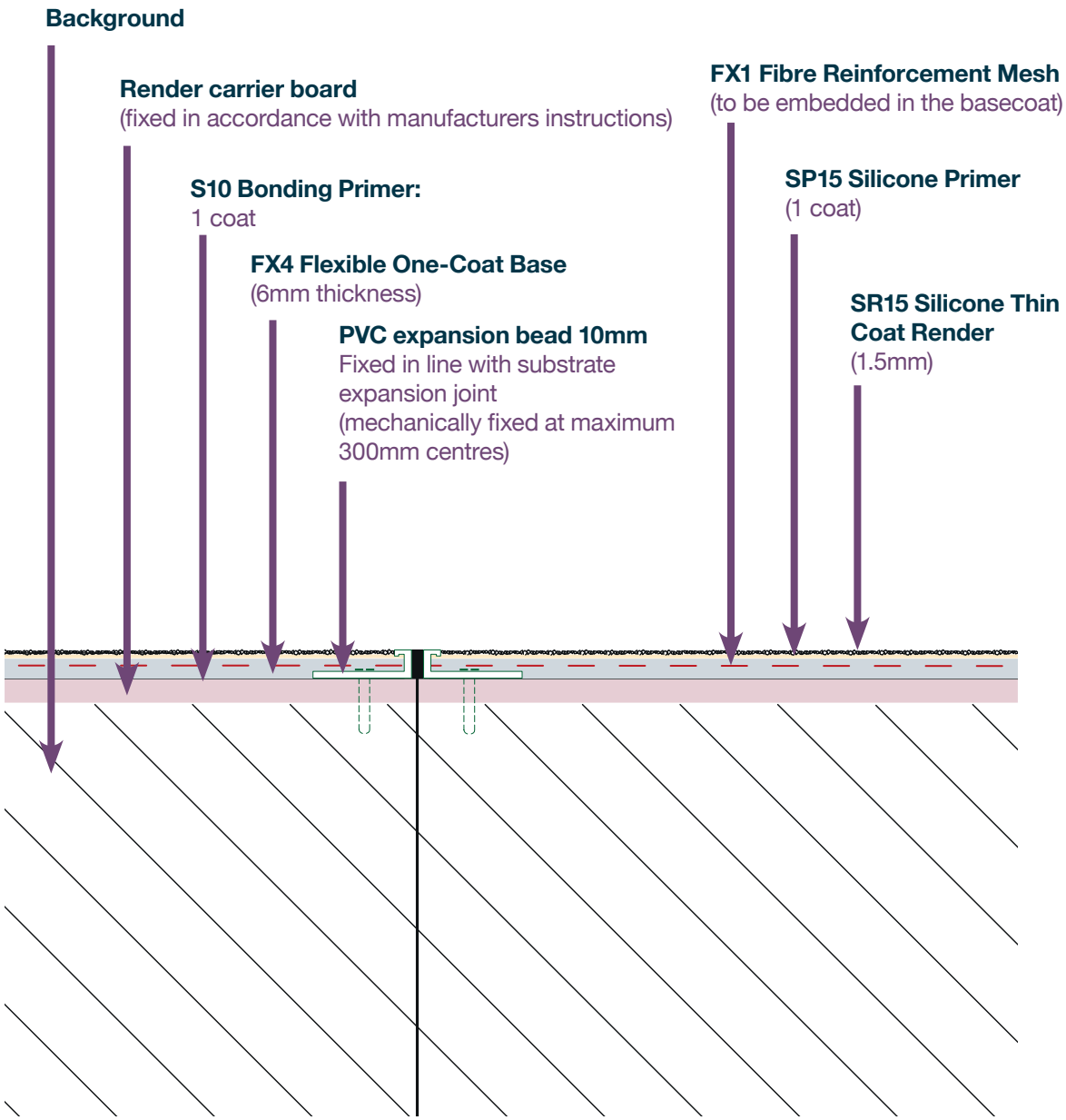
INTERNAL BUILDING CORNER DETAIL



DETAIL	Internal Building Corner Detail	DRAWING ID	SR15 / RCB / 004		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

DETAILED DRAWINGS - *CONTINUED*

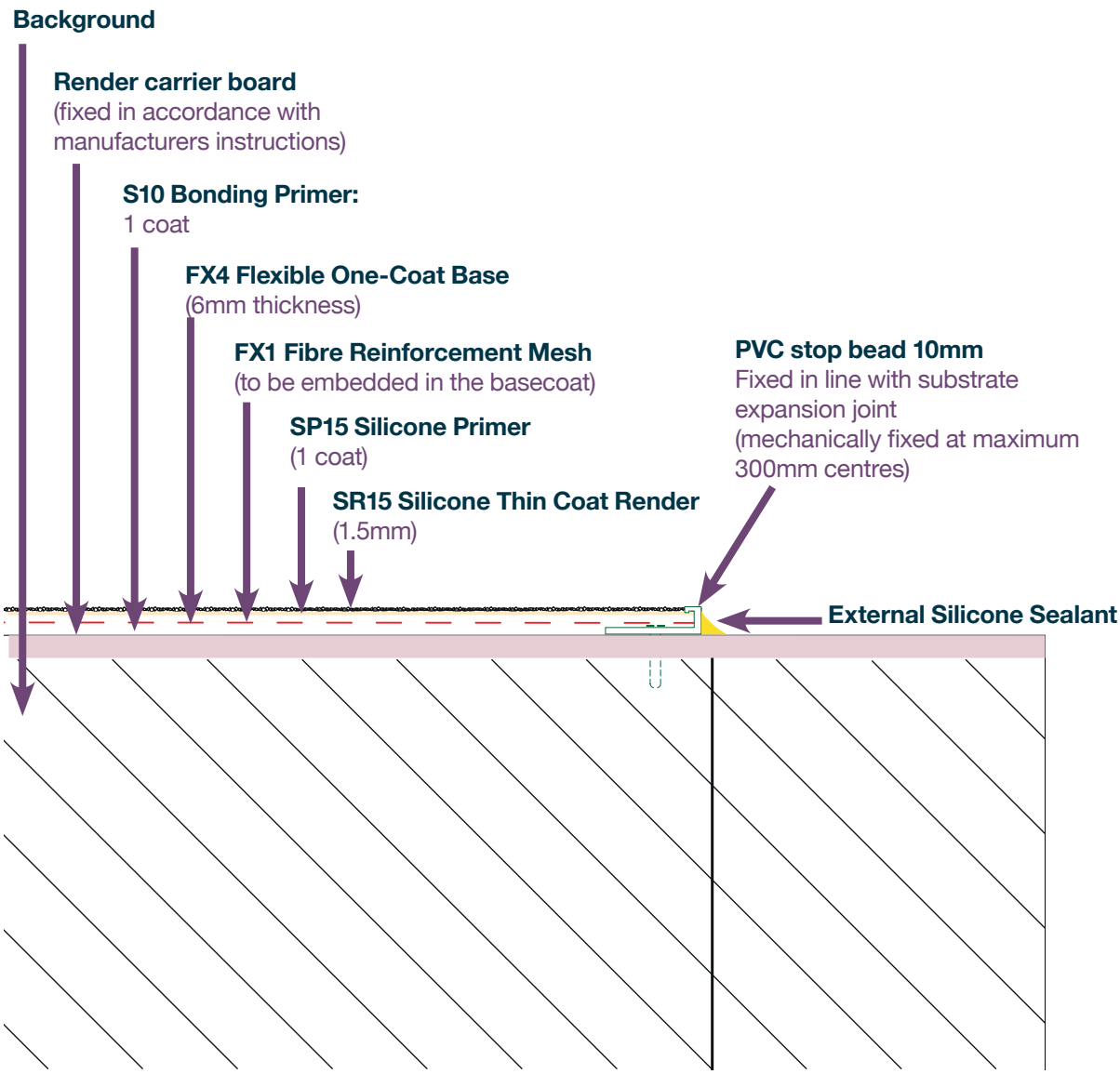
MOVEMENT JOINT DETAIL



DETAIL	Movement Joint Detail	DRAWING ID	SR15 / RCB / 005		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

DETAILED DRAWINGS - *CONTINUED*

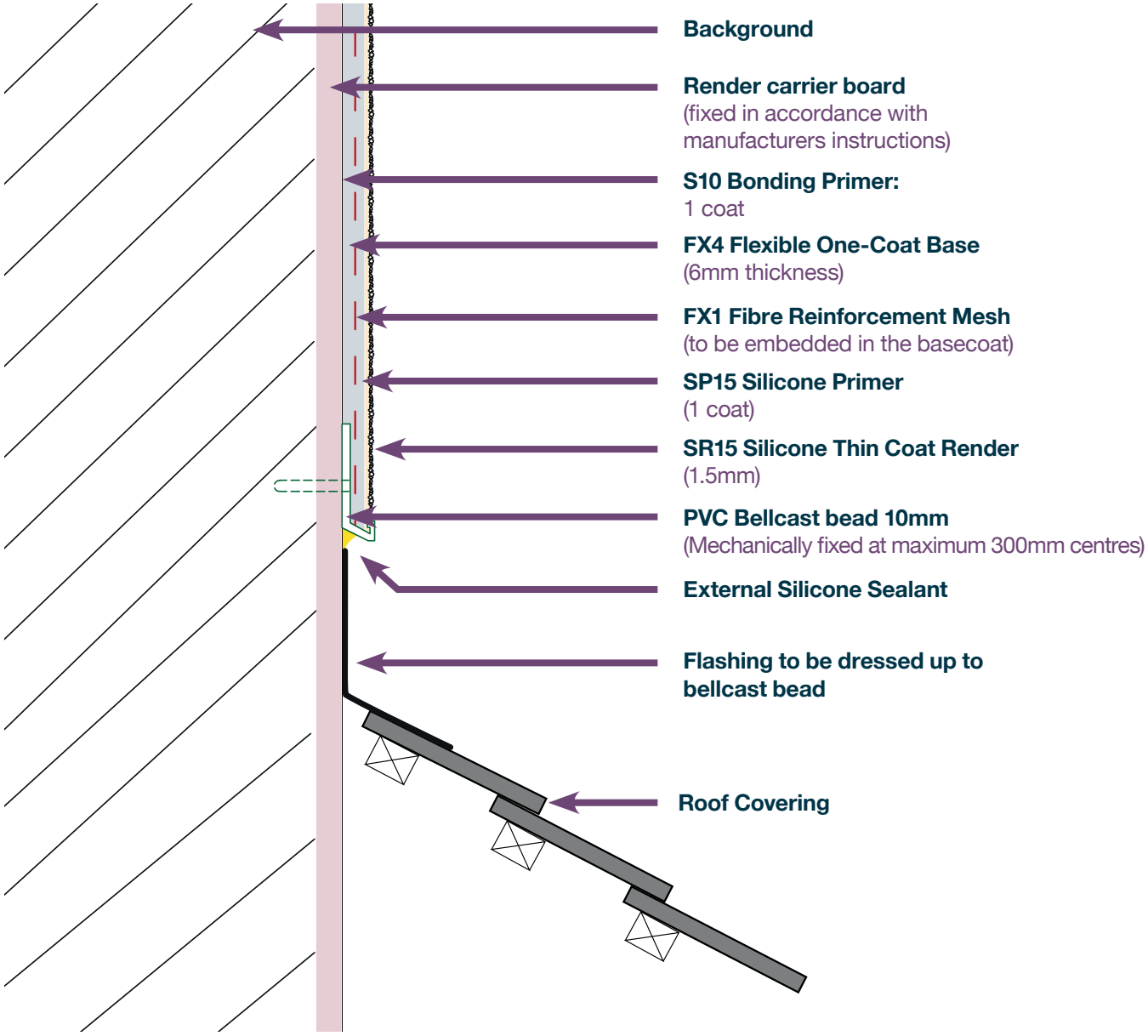
PARTY WALL DETAIL



DETAIL	Party Wall Detail	DRAWING ID	SR15 / RCB / 006		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

DETAILED DRAWINGS - *CONTINUED*

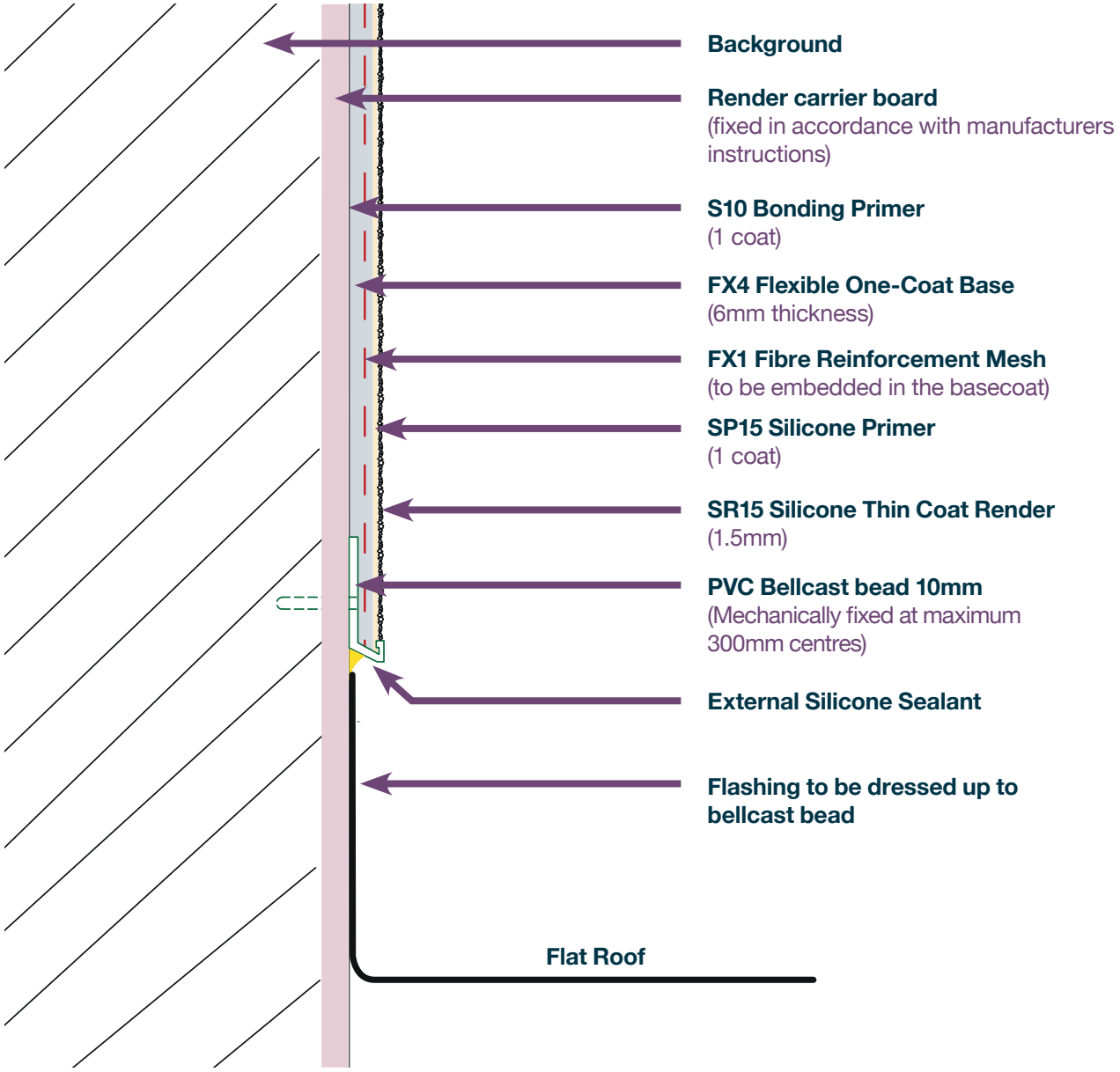
ROOF JUNCTION DETAIL 01



DETAIL	Roof Junction Detail 01	DRAWING ID	SR15 / RCB / 007		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

DETAILED DRAWINGS - *CONTINUED*

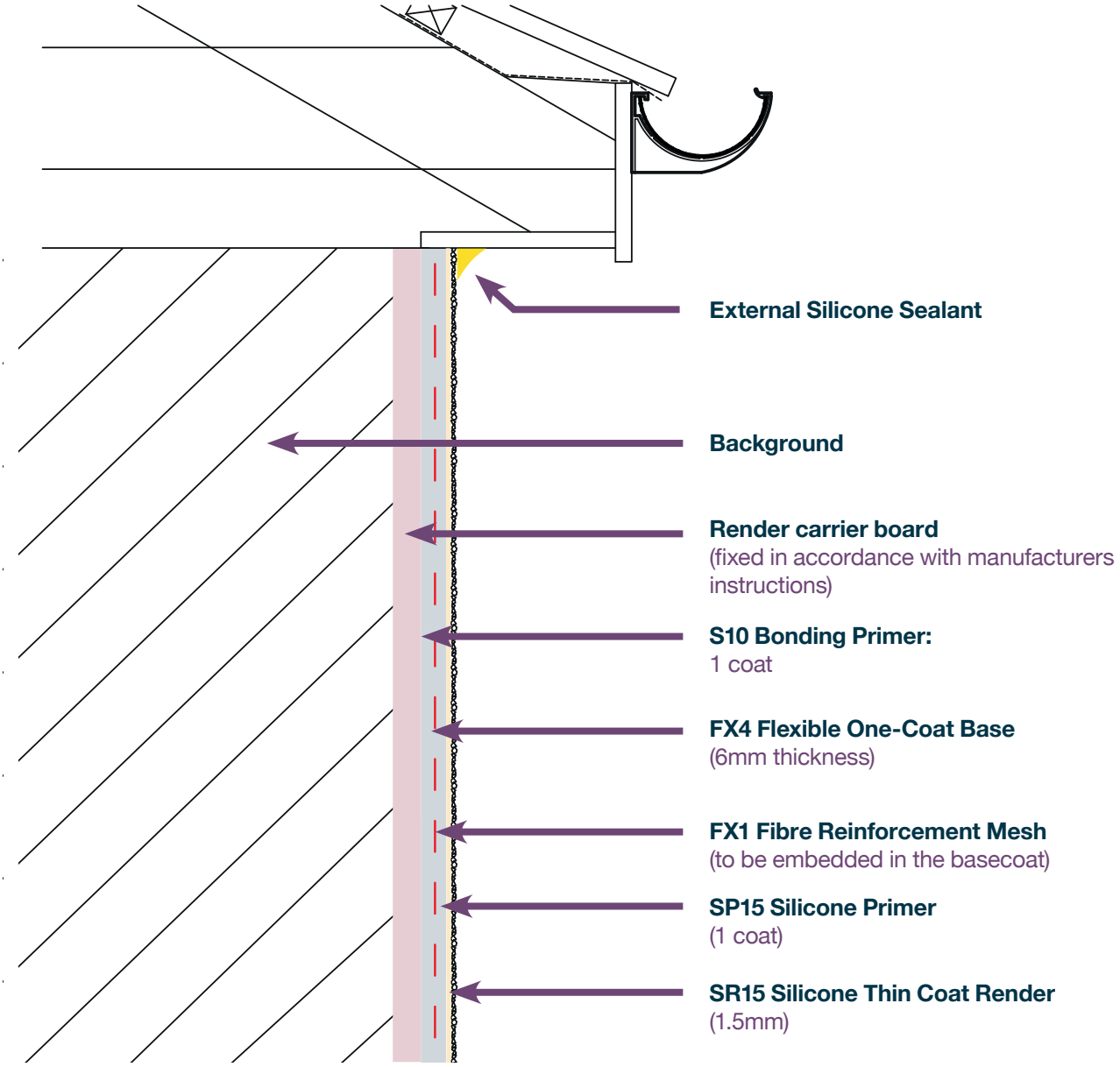
ROOF JUNCTION DETAIL 02



DETAIL	Roof Junction Detail 02	DRAWING ID	SR15 / RCB / 008		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

DETAILED DRAWINGS - *CONTINUED*

SOFFIT DETAIL

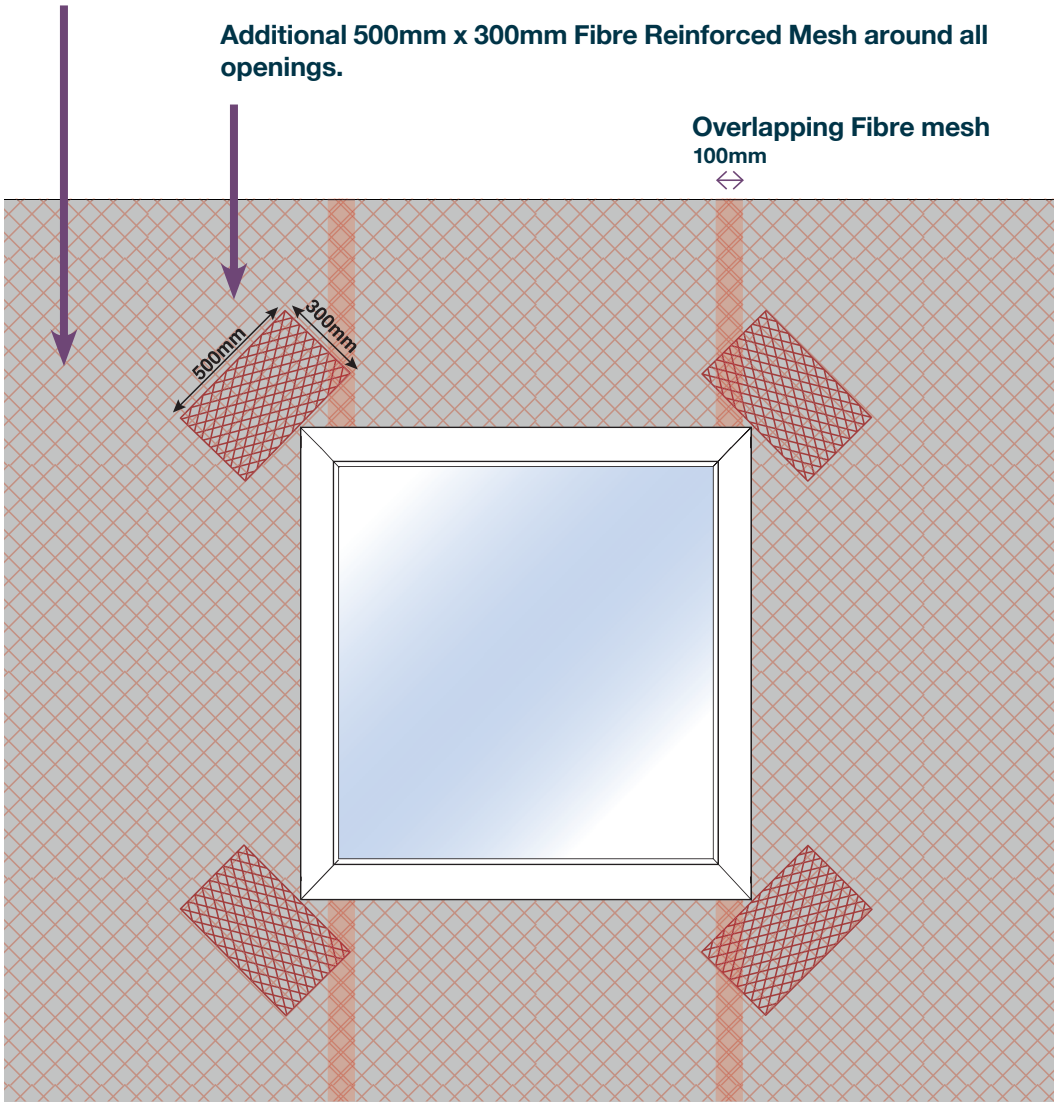


DETAIL	Soffit Detail	DRAWING ID	SR15 / RCB / 009		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

DETAILED DRAWINGS - *CONTINUED*

STRESS PATCH DETAIL

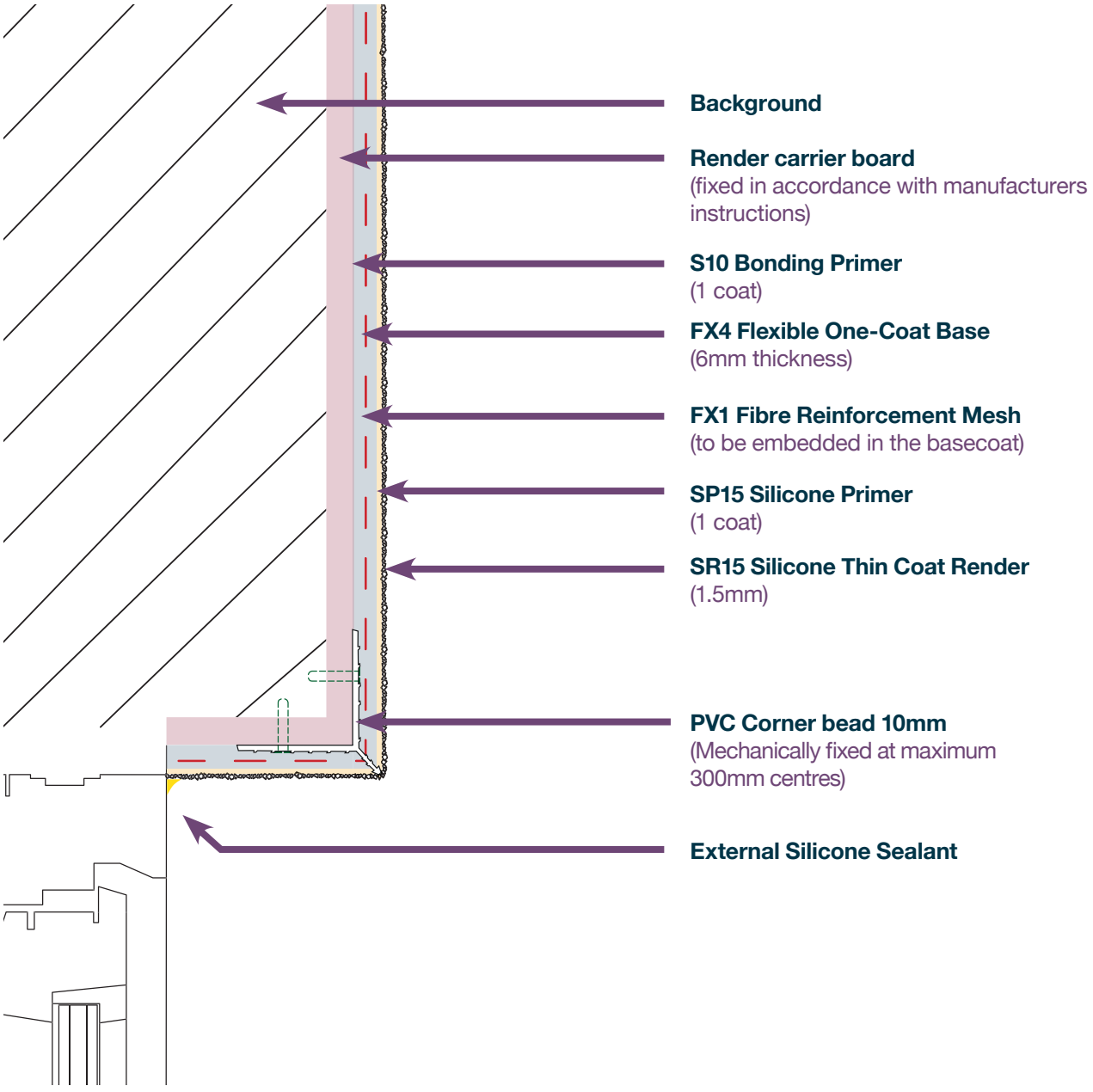
FX1 Fibre Reinforcement Mesh placed in the 1st 3mm pass of FX4 Flexible One-Coat Base. (1000mm width) overlapping fibre mesh 100mm at joints



DETAIL	Stress Patch Detail	DRAWING ID	SR15 / RCB / 010		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

DETAILED DRAWINGS - *CONTINUED*

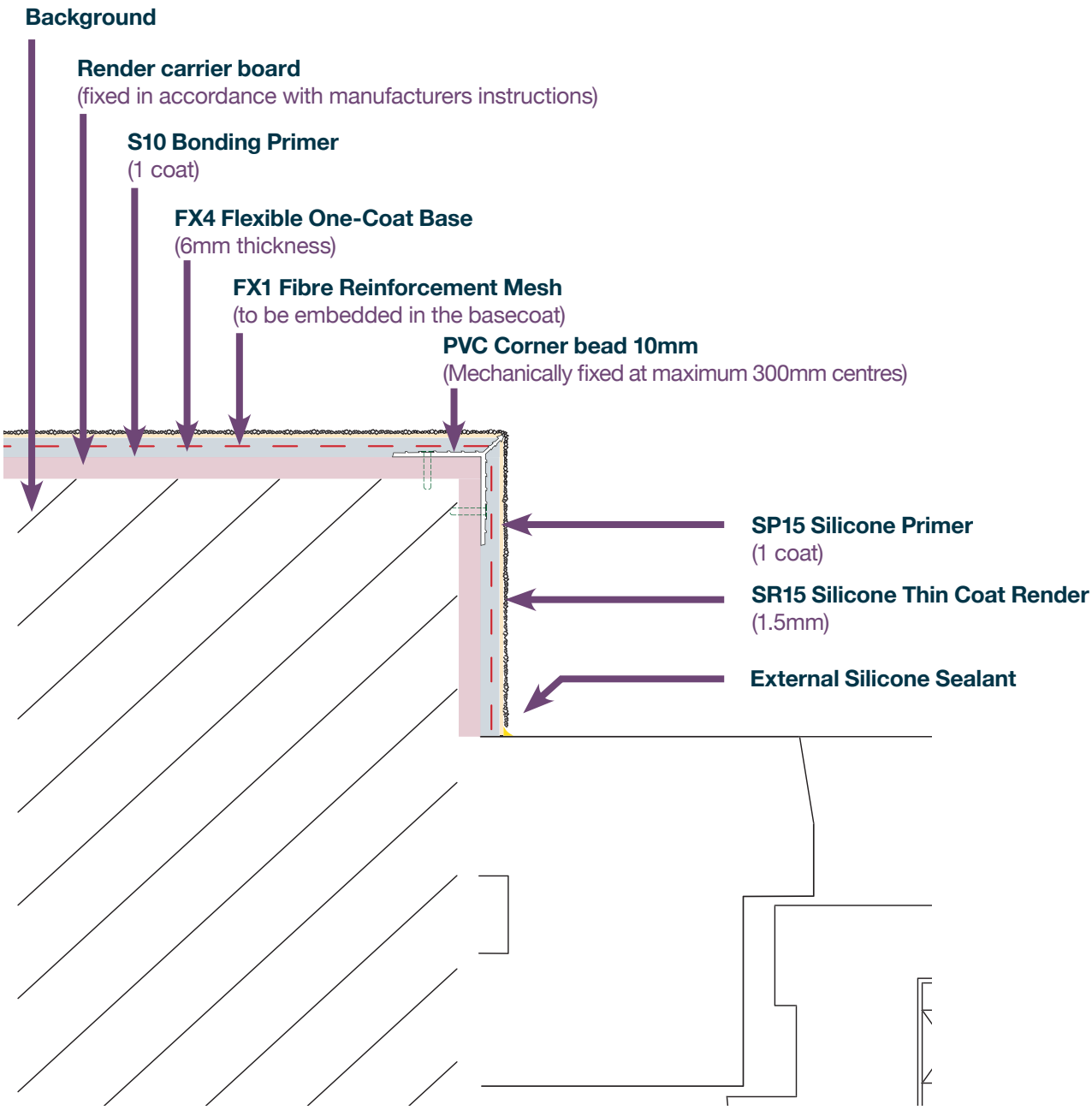
WINDOW / DOOR HEAD DETAIL



DETAIL	Window / Door Head Detail	DRAWING ID	SR15 / RCB / 011		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

DETAILED DRAWINGS - *CONTINUED*

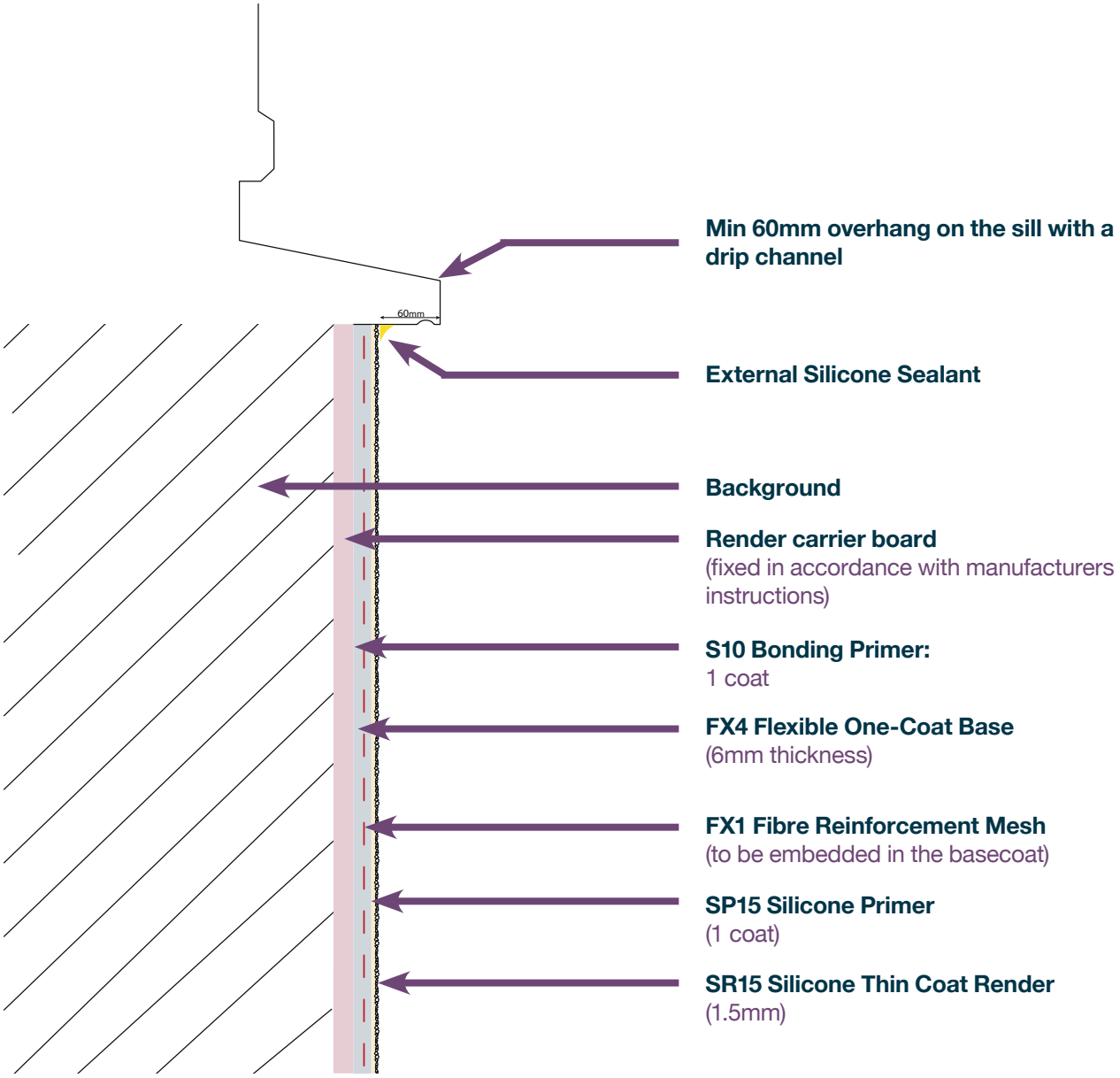
WINDOW / DOOR JAMB DETAIL



DETAIL	Window / Door Jamb Detail	DRAWING ID	SR15 / RCB / 012		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

DETAILED DRAWINGS - *CONTINUED*

WINDOW SILL DETAIL



DETAIL	Window Sill Detail	DRAWING ID	SR15 / RCB / 013		
DATE	JULY 2017	SCALE	NTS	ISSUE	01

LaRoc/Wetherby Group
Dalton Industrial Estate, Dalton,
North Yorkshire YO7 3HE

T +44 (0)1845 578555
F +44 (0)1845 578777
E technical@la-roc.co.uk

ecorend.co.uk