

PRODUCT SELECTOR & QUICK INSTALLATION GUIDE

Flat Roof Liquid Waterproofing System



ClassicLiquid, a fast curing liquid waterproofing system

The Classic Flat Roof Liquid Waterproofing System includes a range of polyurethane based products, designed to protect flat roofing surfaces.

- Fast - Single coat application
- Durable - Excellent weather & UV resistance
- Weatherproof - Fast curing & showerproof in 30 mins
- Complete protection - Seamless finish
- Flexible - Remains elastic down to -40°C
- EasySelf levelling
- 10, 15 or 20 Year warranty

COVERAGE RATES

Dependent on application, ClassicLiquid comes with a 10, 15 or 20 year warranty.

PRODUCT	10 YEAR	15 YEAR	20 YEAR	20 YEAR BALCONY/WALKWAY
Primer	200g/m ²	200g/m ²	200g/m ²	200g/m ²
Liquid Waterproofing	1.5kg/m ²	2.1kg/m ²	2.5kg/m ²	2.5kg/m ²
Walkway (* If required in conjunction with Quartz Aggregate)	*300g/m ²	*300g/m ²	*300g/m ²	300g/m ²
Quartz Aggregate				0.4 - 0.8mm size
Additional Components	Detail Coating, Joint Mastic, Thickening Additive, Self-Adhesive Tape, Reinforcing Fabric (over bituminous systems)			



CLASSICLIQUID WATERPROOFING SYSTEM

Liquid Waterproofing

ClassicLiquid Waterproofing is a single component rapid curing polyurethane liquid membrane that is easy to apply over existing roofing systems, creating a durable and seamless waterproof layer.

Its formulation allows a fast curing, bubble free, single coat application roofing system to be created. Due to its excellent tensile strength, there is usually no need to incorporate a reinforcing fabric, unless it is applied over a bituminous substrate, making application a breeze.



Recommended for waterproofing and protection of:

- Asphalt and bitumen roofs
- EPDM membranes
- GRP roofing systems
- Metal and cement fibre roof sheets
- Gypsum and cement boards
- Concrete roofs
- OSB3 T&G structural roof decks

Features and Benefits:

- Fast curing
- Bubble free smooth finish
- Excellent weather and UV resistance
- Will remain elastic even down to -40°C
- Will not soften in high temperatures
- High tensile and tear strength, excellent abrasion resistance

APPLICATION PROCEDURE

Surface Preparation & Priming

Clean the surface to be treated with a high pressure washer or a stiff broom and soapy water to remove all oil, grease, wax contaminants, cement laitance and loose particles.

ClassicLiquid Primer must be applied to all surfaces prior to the application of the waterproofing membrane. Make good all cracks and blisters and fill surface irregularities with a suitable product. Allow to fully dry. Apply Primer at a sufficient coverage rate to seal the surface. Primer coverage

rates will vary dependant on surface porosity. Allow primer coat to fully dry.

Any gaps in the substrate over 2mm wide or movement joints must first be filled with ClassicLiquid Joint Mastic prior to the application of the ClassicLiquid Detail Coating.

If the membrane is to be installed over timber decks, OSB3 T&G 18mm must be used. The T&G joints must first be "glued" together by applying Joint Mastic into the rebate. Boards are then pushed together and surplus Joint Mastic tooled smooth. The joints must then be reinforced by applying the Self Adhesive Tape equally across the joint. It is recommended to create a fillet or cant strip using Joint Mastic at the base of all upstands.

Application of Membrane

Use a low speed (300rpm) mixer. Mix thoroughly taking care not to introduce air into the liquid, creating bubbles.

It is recommended that all detail and perimeter works are carried out before the main field areas. On vertical surfaces, internal/external corner details and outlets/pipe collars, Detail Coating should be used at approximately 1kg per m² as this product is thixotropic so will not sag.

Liquid Waterproofing must be applied over this detail at approximately 1kg per m². Apply the material with a roller, brush or squeegee in one or two coats, ensuring that you achieve a

bubble free and even application. Do not exceed 48 hours between coats as this will affect inter-coat adhesion. Surfaces that have exceeded 48 hours between coats will need to be primed with Primer to ensure a proper bond to the previous coat.

Coverage Rates

Please refer to the graph on page 2.

Suggestion: If the area to be treated is substantial, it is good practice to grid out the roof to ensure that the recommended coverage rates per m² are achieved.

Cleaning

Clean tools and equipment initially with paper towels and then a suitable solvent. Roller heads will not be re-useable.

Limitations

All substrates must be sound, clean and any bubbles and blisters must be made good before work commences. Liquid Waterproofing cannot be used in areas where the system may come into contact with chemically treated water such as swimming pools. It is not safe for fish ponds.

Packaging

Available in 15kg metal drums.

Primer

ClassicLiquid Primer is a single component polyurethane primer suitable for most substrates. It can be used on both porous and non-porous substrates and must be used prior to the application of ClassicLiquid Waterproofing.

It is characterised by its very low viscosity and balanced curing speed which results in excellent wetting, penetration and paint over time on all substrates. Additionally, it can be used on dry concrete, not only as a primer but also as a low cost sealing solution onto that substrate.



Recommended for use as a primer over:

- Asphalt
- Built up felt
- Ceramic tiles
- OSB Decking and all other timber surfaces
- Recovery boards
- GRP metal

Primer may be used as a 'reactivation primer' over ClassicLiquid Waterproofing and ClassicLiquid Detail Coating if these products require over coating after the 48 hours cure time has been exceeded. It may also be used as a sealer over concrete and brick.

Surface Preparation & Priming

- Single component (no additional accelerator to add)
- Low viscosity
- Easy to apply by brush or roller
- Excellent wetting, penetration and drying time
- Elastic

APPLICATION PROCEDURE

It is essential that the intended substrate is thoroughly cleaned with a high pressure washer; on smaller areas a stiff broom and soapy water and rinse will suffice. Remove all oil, grease and wax contaminants, cement laitance and loose particles. Make good all cracks and blisters and fill surface irregularities with a suitable product. Allow to fully dry.

Apply Primer at a sufficient coverage rate to seal the surface. Primer coverage rates will vary dependant on the surface porosity. Allow the primer coat to fully dry (approximately 2 hours but this is dependent on ambient air temperature and humidity).

Coverage Rates

Approximately 0.1 - 0.3 ltrs/m² dependant on the porosity of the substrate. For semi-porous substrates the coverage rate is typically 0.2ltrs/m².

Cleaning

Clean tools and equipment initially with paper towels and then with a suitable solvent. Rollers and paint brushes will not be re-useable.

Limitations

Product will discolour if used as an exposed sealer. This is purely visual and does not affect the performance of the membrane. If the primed surface has been rained on then the area must be dried and further primer applied.

Packaging

Available in 4ltr tins.

Joint Mastic

ClassicLiquid Joint Mastic is a novel low modulus expansion joint sealant, especially formulated to contain both PU and Silylated-PU technology, thus giving rise to a sealant which includes the best of both technologies. It has been modified in order to give enhanced thixotropic properties.



Joint Mastic cures by reaction with atmospheric humidity to produce a joint sealant with a 50% joint movement accommodation factor and excellent adhesion on substrates, traditionally problematic for PU sealants such as glass, aluminium, steel, polycarbonate, etc.

Joint Mastic is easy to apply even in very low temperatures and the storage stability is unlike any polyurethane sealant in the market.

Recommended for Sealing Joints in:

- In situ concrete
- Expansion concrete plates
- Precast panels
- Brick and block work
- Water tanks
- Metal frames
- Aluminium windows and panels
- Water tanks and swimming pools
- Sealing between T&G joints in OSB3 T&G structural roof decks

Features & Benefits:

- Excellent adhesion to almost any surface
- Excellent extrusion, tooling and storage stability over a wide range of climatic conditions

- **Excellent chemical resistance, suitable for sealing joints in swimming pools and chemically treated water**
- **Low modulus, joint movement accommodation 50%**
- **Microorganism and fungus resistant**
- **Application underwater immersion possible**
- **Excellent resistance to heat >600°C and will remain flexible down to -400°C**

APPLICATION PROCEDURE

Clean the joint thoroughly and ensure that no oil, grease, silicone or wax contaminants are present. For most applications primer is not required unless onto a very porous or friable surface. If primer is required, use ClassicLiquid Primer. Bond area surfaces thoroughly to avoid the possibility of air bubbles being blown into the uncured product should the substrate temperature rise. On applications where the depth of the expansion joint exceeds the width, then it is necessary to use an open cell polyurethane backing rod (of suitable size) to ensure a firm backing to the Joint Mastic against which it can be tooled off.

Slide the 600cc foil cartridge into the application gun, cut off the very end of the sealant packaging and fit the gun with the nozzle that has been cut to deliver the right bead size for the given application.

Extrude the Joint Mastic into the joint ensuring that no air is trapped in the joint. Wide joints may well require more than one pass of the application gun to ensure full contact of the Joint Mastic with the sides and bottom of the joint. Tooling of the Joint Mastic is recommended immediately after application of the sealant to ensure that all air bubbles are excluded and a smooth finish provided, if other products are being applied over.

Limitations

Not recommended for direct application to unsound substrates. If in doubt, prime with ClassicLiquid Primer.

Packaging

Available as a 600cc sausage.

CLASSICLIQUID WATERPROOFING SYSTEM

Detail Coating

ClassicLiquid Detail Coating is a thixotropic, fibre reinforced, single component, polyurethane liquid membrane. Due to its unique formulation, it cures rapidly to form a bubble free thick layer membrane with excellent mechanical properties.



The reinforcing fibres within the product enable the applicator to form complex weathering details without the need to cut and shape sheet reinforcing material. Due to its thixotropic properties it is less prone to sagging when applied to vertical surfaces.

Detail Coating is easily applied with a brush or roller.

Recommended for:

- Internal and external corner details as a reinforcing detail
- Detailing around pipes and flashings as reinforcing detail
- Application into concrete gutters
- Ideal for vertical up stand work as less prone to sagging
- Deck/ wall interface reinforcement

Features & Benefits:

- No additional reinforcement necessary
- Fast Curing - skins over in 2-3 hours
- Thixotropic - less prone to sagging and slump
- Bubble and defect free membrane

- Excellent weather and UV resistance
- Excellent thermal resistance - the product never turns soft
Recommended service temperatures 80°C, maximum shock temperature 200°C
- Remains elastic down to -40°C
- Excellent mechanical properties, high tensile and good tear strength, high abrasion resistance
- Good chemical resistance

APPLICATION PROCEDURE

It is essential that the intended substrate is thoroughly cleaned with a high pressure washer, on smaller areas a stiff broom and soapy water will suffice. Remove all oil, grease and wax contaminants, cement laitance and loose particles.

Make good all cracks and blisters and fill surface irregularities with a suitable product. Allow to fully dry.

Apply ClassicLiquid Primer at a sufficient coverage rate to seal the surface. Primer coverage rates will vary dependant on surface porosity. Allow the primer coat to fully dry.

Coverage Rates

As a stand-alone coating the minimum coverage rate is 1.8kg/m². As a joint reinforcing or detailing membrane the minimum coverage rate is 1.0kg/m². Detail Coating must be over coated with Liquid Waterproofing within 48 hours or further application of Primer will be required.

Cleaning

Clean tools and equipment initially with paper towels and then with a suitable solvent. Roller heads will not be re-useable.

Packaging

Available in 5kg and 15kg re-sealable metal drums.

Once opened, use as soon as possible.

Walkway

ClassicLiquid Walkway is a single component, moisture curing, polyurethane liquid. It can be used in conjunction with Quartz Aggregate (0.4 - 0.8mm) to create a hard wearing slip resistant coating over many surfaces.

Walkway is easily applied by brush, roller or airless sprayer and will dry in 6 - 8 hours.



Recommended for creating a hardwearing surface over:

- ClassicLiquid Waterproofing System, for balconies and walkways
- Asphalt or bitumen roofs*
- Concrete surfaces, even garage floors*
- GRP roof lights*
- GRC tiles*
- Concrete pavers*

*ClassicLiquid Primer required

Features and Benefits:

- Strong and uniform adhesion on almost any surface
- Highly hydrophobic
- Highly flexible even down to -40°C
- Excellent heat and UV resistance, will not peel, yellow or soften up to +80°C
- Outstanding resistance to chemicals and mechanical stresses
- Can be pigmented

APPLICATION PROCEDURE

Surface Preparation & Priming

Clean the surface to be treated with a high pressure washer or a stiff broom

and soapy water to remove all oil, grease, wax contaminants, cement laitance and loose particles. Apply ClassicLiquid Primer as directed on the data sheet if required.

Application

Stir product thoroughly with a low speed mixer or manually, ensuring that air is not mixed into the liquid creating bubbles. Surfaces must be completely dry before product application.

As a Non-slip Walkway

Apply a light base coat by brush or roller to the prepared substrate (approximately 0.1ltr/m²) and whilst still wet, broadcast Quartz Aggregate at the desired coverage rate, then allow to dry. Brush off any excess Quartz Aggregate and apply a further light saturation coat to seal. Alternatively Quartz Aggregate can be mixed into the container of Walkway and applied directly to the prepared surface by brush or roller.

If applying over ClassicLiquid Waterproofing please allow a minimum of 72 hours to ensure full polymerisation has occurred before application. No primer is required for this application.

Liquid Waterproofing can be used to colour Walkway but at no more than a 20% ratio. Colour pastes are available in a range of colours if required.

Coverage Rates

Please refer to the graph on page 3.

(The coverage rate is approximate and is dependent on quantity of Quartz used.)

Cleaning

Clean tools and equipment initially with paper towels and then with a suitable solvent. Roller heads will not be re-useable.

Limitations

Not recommended for unsound substrates. If Walkway is used over Liquid Waterproofing only apply after a minimum of 72 hours, to allow full polymerisation. Walkway must not be applied in thick coats.

Packaging

Available in 4ltr tins.

CLASSICLIQUID WATERPROOFING SYSTEM

Thickening Additive

ClassicLiquid Thickening Additive is a unique additive developed to solve application difficulties of ClassicLiquid Waterproofing in severely inclined, uneven or completely vertical substrates.

The recommended addition ratio is 10-30% by weight, depending on the surface inclination, substrate condition and desired final consumption.



Features & Benefits:

ClassicLiquid Thickening Additive is available in 1kg plastic sausages that allows for easy addition into Liquid Waterproofing without significant loss of product.

ClassicLiquid Thickening Additive greatly enhances the thixotropic properties of the Liquid Waterproofing without affecting its final viscosity.

Recommended for:

Increasing the thixotropic nature (reducing the self-levelling characteristics) of Liquid Waterproofing.

For example:

- **Waterproofing of vertical flashing details on a roof. Usually these points need several coats of Liquid Waterproofing in order to achieve the minimum film thickness. By using ClassicLiquid Thickening Additive, the application on these points can be done in 1-2 coats maximum.**

- **Waterproofing and protection of a roof where the substrate is very uneven and it may be difficult to achieve a uniform thickness of the membrane. By using ClassicLiquid Thickening Additive you can modify the rheology of the Liquid Waterproofing so that all areas are covered at a uniform consumption.**
- **Waterproofing and protection of corrugated metal roofs. Once again this application may prove difficult using self-levelling products as you will have uneven consumption of material. By using ClassicLiquid Thickening Additive you can modify the rheology of the Liquid Waterproofing so that all areas are covered at a uniform consumption.**

APPLICATION PROCEDURE

Open the can of Liquid Waterproofing and mix thoroughly before adding the ClassicLiquid Thickening Additive. Open the sausage of Thickening Additive and empty the desired amount by hand into the pail (left over material can be sealed and stored for later use).

The addition of Thickening Additive depends on the specific project requirements, but the recommended amount is 10-30% by weight.

Mix the Thickening Additive gradually into the Liquid Waterproofing using a low speed mixer, being careful not to introduce air into the mixture, until the required thickness is achieved. Apply the thoroughly mixed material to the previously primed substrate as described in the technical data sheet.

Packaging

Available in 1kg sausages.

Self Adhesive Tape

A polyester backed self adhesive tape, ideal for sealing joints and seams prior to applying ClassicLiquid Waterproofing.

ClassicLiquid Self Adhesive Tape is highly adhesive to all materials and especially to concrete, gypsum boards, marble, plastic, glass, steel, polycarbonate, wood and bitumen.



Features & Benefits:

- Excellent adhesive properties
- Excellent heat stability
- Excellent adhesion at low temperatures
- High workability, plasticity and formability
- Solvent free

Recommended for:

The product has been designed to seal joints between the floor slab and wall, both for bricks and gypsum surfaces and for use within some liquid waterproofing systems.

APPLICATION PROCEDURE

ClassicLiquid Self Adhesive Tape is compatible with most building materials, metals and flexible or hard plastics. The surface should be clean, dry, smooth and dust-free. If the installation surface is porous a primer will have to be applied.

Prepare the surface and proceed as follows:

- Ensure the surface area to be bonded is solid, dry, clean and free from grease.
- Cut tape to the required size and peel backing paper from the beginning of the roll.
- Adhere the first section of tape to the beginning of the joint, applying pressure (ideally with a roller) to the tape as it makes contact with the substrate to ensure 100% adhesion between the substrate and tape.
- Continue along the joint, removing the backing paper as required, ensuring that the tape is applied in a straight line.
- Ensure an overlap of 50mm between tape joints as required.
- Apply ClassicLiquid Waterproofing as per Installation Guidelines.

Packaging

Standard length: 10m
Standard width: 75mm

CLASSICLIQUID WATERPROOFING SYSTEM

Reinforcing Fabric

ClassicLiquid Reinforcing Fabric is a non-woven, spun-bound, polypropylene reinforced fabric.



Recommended for:

For use when applying ClassicLiquid Waterproofing over existing built-up felt and asphalt roofs.

APPLICATION PROCEDURE

ClassicLiquid Reinforcing Fabric is applied between two coats of ClassicLiquid Waterproofing.

Can be used in the following conditions:

- **Temperature Range: 5-35°C**
- **Relative Humidity: <85%**

Storage:

ClassicLiquid Reinforcing Fabric must be kept in a cool and dry place, at temperatures of between 5-25°C.

- **Made of 100% polypropylene material at high temperature and spun-bound**
- **Non-toxic, non-irritant**
- **Made from materials conforming to FDA Standard requirements**
- **No other chemical composition, stable, non-toxic, no smell, safe for sensitive skin**

Packaging

ClassicLiquid Reinforcing Fabric is supplied in white rolls 25m x 1m.

General application guidelines

APPLICATION TEMPERATURE RANGE:

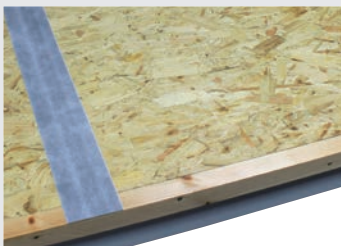
- 1 5°C to 35°C.
- 2 Avoid dew point conditions during application.
- 3 Relative humidity must be no more than 95% and substrate temperature must be at least 5°C above measured dew point temperatures.
- 4 Do not apply under rain or snow.

SURFACE CLEANING AND PREPARATION:

- 1 Ensure all surfaces are clean, dry and free from any debris, dust, dirt.
- 2 Where possible you must pressure wash, and scrub the surface to remove any built-up dirt. This will ensure a clean surface and good bond.
- 3 If chemicals are used during the cleaning phase, ensure the roof is washed thoroughly with clean water prior to the application of any product. This is to avoid a chemical reaction of the product.
- 4 Some surfaces may need to be carefully cleaned with a solvent (xylene) and wiped down. It is necessary for the solvent to evaporate to leave a dry, clean surface.
- 5 All surfaces must be completely dry before any application takes place.
- 6 All perimeter trims (if applicable) must be installed prior to the priming process.
- 7 Ensure all screws and nails holes or any other blemishes to the substrate are filled with ClassicLiquid Joint Mastic to create a smooth level surface.

CLASSICLIQUID WATERPROOFING SYSTEM

Installation Guidelines



A: CLASSICLIQUID JOINT MASTIC

(CAN BE APPLIED TO PRIMED OR UN-PRIMED SURFACES)

- 1 If required create a fillet with the Joint Mastic on all 90 degree angles, e.g. up stands, sky lights, pipe work etc.
- 2 For large voids and joints apply a backing rod or closed cell polyethylene foam as it is important to ensure that the correct width to depth ratio is achieved.
- 3 The ratio of width to depth should be 1:1 subject to a minimum depth of 10mm.
- 4 Tooling of Joint Mastic is recommended immediately after its application.

B: TRIM INSTALLATION

Installation of perimeter battens for mounting of Metal or GRP Roof Edge Trims

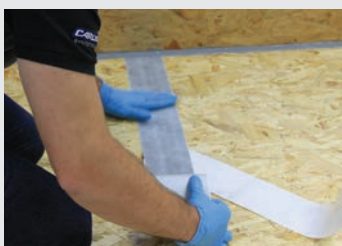
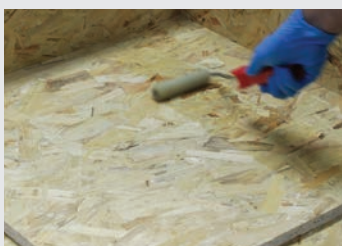
- 1 Secure a 50mm x 50mm treated batten to the fascia, ensuring it finishes flush with the surface of the deck.
- 2 To create a check kerb, fasten a further 25mm x 50mm treated batten on top of the previously installed 50mm x 50mm batten to create a raised edge (where required) to retain the rainwater.

Please note:

SureEdge trims can be used 24 hours after the liquid has been applied.

Preparation of trims and application of Joint Mastic

- 3 Abrade and wipe surface clean of trims prior to installation.
- 4 Apply a continuous bead of ClassicLiquid Joint Mastic to underside of trim prior to positioning onto perimeter battens. Ensure that the drip trim is formed to accommodate interface with check kerb.



Fixing of trims

- 5 Secure trims with 40mm corrosion resistant fixings @ 300mm centres. Ensure that a Joint Mastic detail is continued round the edge of the batten to create a fillet between the two surfaces.

These images show the use of plastisol metal perimeter trims.

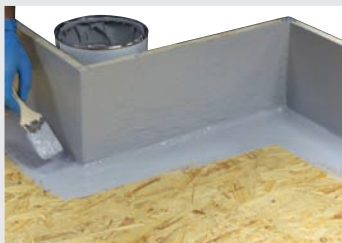
C: CLASSICLIQUID PRIMER

(THIS IS A SAME DAY PRIMER)

- 1 All substrates/surfaces will require priming before the application of ClassicLiquid Waterproofing or ClassicLiquid Detail Coating.
- 2 Apply the primer to the substrate using a brush or roller at a consumption rate of 200g per metre squared (m^2). (Consumption may increase subject to the substrates porosity). The primer must be applied evenly ensuring that it does not pond in low areas. If this occurs the primer will not polymerise adequately and will react to the top coat.
- 3 Allow ClassicLiquid Primer to cure for between 2-4 hours (Dependent on temperature).
- 4 The primer must be "touch dry" before the application of any further ClassicLiquid coatings. (Please note at low temperatures the primer will take longer to cure. Please ensure that it is fully polymerised).
- 5 If the ClassicLiquid Waterproofing or Detail Coating is applied whilst the primer is still tacky a reaction will cause the product not to bond and react with the un-polymerised primer.
- 6 You must apply the Liquid Waterproofing or Detail Coating to the ClassicLiquid Primer on the same day! If you exceed the open time you must reapply the primer and allow it to dry before continuing, paying close attention to the points above.
- 7 If it rains or the roof gets wet (i.e. heavy dew) before the primer has cured, you must dry the roof and re-apply the primer.

D: CLASSICLIQUID SELF-ADHESIVE TAPE TO OSB OR RECOVERY BOARD JOINTS

- 1 Once the primer has cured ensure the surface is clean and dry, reinforce all board joints with the 75mm ClassicLiquid Self-Adhesive Tape. The release paper needs to be removed before application; this can be removed in sections as you apply equally over the joints onto the primed decking.



E: CLASSICLIQUID DETAIL COATING TO UP-STAND DETAILS

- 1 Apply Detail Coating to the full height of the upstand and a minimum of 50mm onto the flat at a minimum coverage of 1.8kg m².
- 2 It is recommended to apply Detail Coating to all vertical surfaces such as drip details due to its thixotropic (non-drip) properties.

F: CLASSICLIQUID WATERPROOFING

- 1 Once the primer has cured ensure the surface is clean and dry and that all joints, up stands, corners and details are treated with the Self Adhesive Tape and Detailing Coating.
- 2 Apply Liquid Waterproofing to the clean, dry, previously primed surface with rollers or brushes at a minimum consumption rate of 1.5kg - 1.8kg per metre squared (m²). This will give you a thickness of approximately 1.2mm - 1.3mm (the coverage rate is dependent on the smoothness of the substrate being treated).
- 3 It is very important to have the right amount of product per metre squared (m²). To ensure this measure out and grid your area, this will ensure the correct consumption.
- 4 The product will cure in 2-3 hours' (Temperature dependent, please consult the product data sheet).
- 5 Avoid applying Liquid Waterproofing late on in the afternoon as dew point can affect the un-polymerised material.

G: CLASSICLIQUID THICKENING ADDITIVE FOR USE WITH CLASSICLIQUID WATERPROOFING

- 1 When using ClassicLiquid Waterproofing on a pitch, vertical or eaves to avoid drips, sagging or runs apply our thickening agent directly to the top coat at a rate of between 10% to 30% ratio by weight dependant on the pitch (For example, 15kg of Liquid Waterproofing add between 1.5 and 4.5 sachets).
- 2 Mix with a slow speed electric paddle clockwise and anti-clockwise for a minimum of 5 minutes at its slowest speed to avoid aeration of the product.
- 3 The above is not required if ClassicLiquid Detail Coating is used as it has a thickening additive incorporated into the product at manufacture.

H: APPLICATION OF CLASSICLIQUID WALKWAY AS A NON-SLIP WALKWAY

- 1 Apply ClassicLiquid Primer as directed on the data sheet if required.
- 2 Stir product thoroughly by low speed mixer or manually ensuring that air is not mixed into the liquid creating bubbles.
- 3 Surfaces must be completely dry before product application.
- 4 Apply a light base coat by brush or roller to the prepared substrate (approx. 0.1ltr m²) whilst still wet broadcast Quartz Aggregate at the desired coverage rate and allow to dry. Brush off excess Quartz Aggregate and apply a further light saturation coat to seal.
- 5 Alternatively Quartz Aggregate can be mixed into the container of ClassicLiquid Walkway and applied directly to the prepared surface by brush or roller.
- 6 If applying over ClassicLiquid Waterproofing please allow a minimum of 72 hours to allow full polymerisation has occurred before application. No primer is required for this application.
- 7 ClassicLiquid Waterproofing can be used to colour ClassicLiquid Walkway but at no more than a 20% ratio. Colour pastes are available in a range of colours if required.

APPLICATION OF CLASSICLIQUID WATERPROOFING SYSTEM TO NEW OSB3 DECKING

Important information for application of all products: All products must be applied at a minimum temperature of 50°C and rising.

The following steps must be taken when applying product to new timber work:

- 1 Ensure all surfaces are prepared correctly and are clean and free from any debris and dust.
- 2 All surfaces must be completely dry before any application takes place.
- 3 Create a fillet with ClassicLiquid Joint Mastic on all 90 degree angles, e.g. Up stands, Sky lights and Pipe work penetrations etc.
- 4 The Joint Mastic can also be used to fill any screw or nail indentations where fixings have been used to fix the boards to the joists. The Joint Mastic must be tooled level immediately after application.

Application of ClassicLiquid Primer:

- 5 Prime the surface at a rate of 0.2ltrs per m² with a brush or roller. The Primer must be applied evenly ensuring that it does not pond in low areas. If this occurs the primer will not cure adequately.

Allow Primer to cure for between 2-4 hours (dependant on temperature). The Primer must be touch dry & not tacky before the application of any other products.

If ClassicLiquid Waterproofing or Detail Coating is applied whilst the Primer is still tacky, a chemical reaction will cause the product not to bond.

If it rains or the roof gets wet before the Primer has cured you must dry the roof and reapply the Primer.

All board joints must be sealed using ClassicLiquid Self-Adhesive Tape.

- 6 Once the primer has cured, ensure that the surface is clean and dry. Reinforce all board joints with the 75mm ClassicLiquid Self-Adhesive Tape. The release paper needs to be removed before application; this can be removed in sections as you apply equally over the joints onto the primed decking. The tape must be fully adhered to the substrate by applying a Seam Roller over the entire surface of the tape.

Creating the upstand detail using ClassicLiquid Detail Coating

- 7 Detail Coating must be used at all internal corner details, upstands, pipe collars and similar details at a rate of no less than 1.8kg per m². The Detail Coating must be extended a minimum of 50mm back onto the deck. Because ClassicLiquid Detail Coating is thixotropic (non-drip) it is advised to coat the entire upstand to the required height (e.g. 150mm). Upstands can be subsequently over coated with the ClassicLiquid Waterproofing if required.

Application of ClassicLiquid Waterproofing

- 8 Apply ClassicLiquid Waterproofing to the previously primed, clean, dry surface with rollers or brushes at a minimum consumption rate of 1.5 - 1.8kg per m². This will give you a thickness of approximately 1.2mm. It is very important to apply the correct amount of product per m². To ensure this, measure out your areas and spread the Liquid Waterproofing evenly over the marked-out area (1 x 15kg tin will cover approx. 10m² at the minimum consumption rate). Applying over previously applied the ClassicLiquid Thickening Additive coverage rate need only be 0.5kg m².

Although the product will cure in 4-6 hours (temperature dependant), do not traffic the roof until the product is fully polymerised.

Do not exceed 48 hours between coats as this will affect inter-coat adhesion. If this period has been exceeded then a coat of ClassicLiquid Primer must be applied, allow to fully cure and then the subsequent coating can be applied.

- 9 When using the ClassicLiquid Waterproofing on a pitched, vertical or eaves details sagging or runs may occur in the coating. On small areas it is advised to apply the Detail Coating to these details as this is a thixotropic (non-drip) product. On larger areas ClassicLiquid Thickening Additive can be mixed into the Liquid Waterproofing to make the product less prone to runs. Please read the relevant product data sheet for further information.

Avoid applying the ClassicLiquid Waterproofing late on in the afternoon as dew point can affect un-polymerised material.

APPLICATION OF CLASSICLIQUID WATERPROOFING SYSTEM OVER EXISTING BUILT-UP FELT AND ASPHALT ROOFS

Important information for application of all products: All products must be applied at a minimum temperature of 50°C and rising.

The following steps must be taken when applying product to Felt & Asphalt Roofs:

It is the contractors' responsibility to ensure the suitability of the substrate for coating with the ClassicLiquid Waterproofing System.

- 1 The substrate must be clean, dry, stable and free from laitance, cracks and blisters. Any gravel present on the roof must be fully removed. If it proves difficult to remove the chippings as they are fully bonded to the existing system then a recovery board must be used to go over the surface and treated in the same way as a new deck preparation. It is good practice to remove the existing upstand detail to ensure a good waterproofing detail and bond to the upstand substrate.
- 2 It is essential that all cracks, blisters and loose laps and loose field areas are attended to prior to the priming process. Minor cracks in the substrate can be filled with ClassicLiquid Joint Mastic and immediately tooled smooth and loose felt laps also can be re-adhered using the Joint Mastic if not too widespread.

If a detergent is used in the process of cleaning the roof it is vital that this is thoroughly rinsed off with clean water as some detergents may affect the adhesion of the primer coat.

- 3 Create a fillet with ClassicLiquid Joint Mastic on all 90 degree angles, e.g. Up stands, Sky lights, Pipe work etc.

Application of ClassicLiquid Primer:

- 4 Prime the surface at a rate of 0.2ltrs per m² with a brush or roller. The Primer must be applied evenly ensuring that it does not pond in low areas. If this occurs the primer will not cure adequately.

Allow Primer to cure for between 2-4 hours (dependant on temperature). The Primer must be touch dry & not tacky before the application of any other products.

If ClassicLiquid Waterproofing or Detail Coating is applied whilst the Primer is still tacky a chemical reaction will cause the product not to bond.

If it rains or the roof gets wet before the Primer has cured you must dry the roof and reapply the Primer.



Creating the upstand detail using ClassicLiquid Detail Coating

- ClassicLiquid Detail Coating must be used at all internal corner details, upstands, pipe collars and similar details at a rate of no less than 1.8kg per m². The Detail Coating must be extended a minimum of 50mm back onto the deck. Because ClassicLiquid Detail Coating is thixotropic (non-drip) it is advised to coat the entire upstand to the required height (e.g. 150mm). Upstands can be subsequently over coated with the ClassicLiquid Waterproofing if required.



Application of ClassicLiquid Waterproofing System as a FULLY REINFORCED SYSTEM using ClassicLiquid Reinforcing Fabric

- Apply ClassicLiquid Waterproofing and Reinforcing Fabric wet on wet to the previously primed, clean, dry surface with rollers or brushes at a total coverage rate of 1.5 - 1.8kg per m². This will achieve a thickness of approximately 1.2mm.
 - This procedure consists of a base/embedment coat of ClassicLiquid Waterproofing applied to the substrate at the approximate rate of 0.7 - 1kg/m² (rough surfaces will require more product); ClassicLiquid Reinforcing Fabric is then immediately pressed into the wet liquid ensuring that there are no creases or trapped air.
 - A second coat of ClassicLiquid Waterproofing is immediately applied over the saturated fabric at the approximate rate of 0.8 - 1kg/m².
 - The minimum coverage rate required is 1.5 - 1.8kg/m². Be aware however, that depending on the condition of the substrate (texture and porosity), this may increase.
 - Overlap adjacent runs of Reinforcing Fabric a minimum of 50mm. Lap onto the perimeter waterproofing detail a minimum of 50mm.

It is very important to apply the correct amount of product per m². To ensure this, measure out your areas and spread the ClassicLiquid Waterproofing evenly over the marked out area (1 x 15kg will cover approx. 10m² maximum).

Although the product will cure in 4-6 hours temperature dependant do not traffic the roof until the product is fully polymerised.

Do not exceed 48 hours between coats as this will affect inter-coat adhesion. If this period has been exceeded then a coat of ClassicLiquid Primer must be applied, allow to fully cure and then the subsequent coating can be applied.

- When using the ClassicLiquid Waterproofing on a pitched, vertical or eaves details sagging or runs may occur in the coating. On small areas it is advised to apply the Detail Coating to these details as this is a thixotropic (non-drip) product. On larger areas ClassicLiquid Thickening Additive can be mixed into the Liquid Waterproofing to make the product less prone to runs. Please read the relevant product data sheet for further information. Avoid applying the ClassicLiquid Waterproofing late on in the afternoon as dew point can affect un-polymerised material.

APPLICATION OF CLASSICLIQUID WATERPROOFING SYSTEM TO CEMENT FIBRE SHEETING & CLADDING

Important information for application of all products: All products must be applied at a minimum temperature of 50°C and rising.

The following steps must be taken when applying product to Cement Fibre Roof and Cladding Sheets:

Surface cleaning and preparation:

- 1 Ensure all surfaces are clean, dry and free from any debris, dust, dirt.
- 2 It is good practice to remove any loose or corroded fixings and replace with new.
- 3 Where possible you must pressure wash and scrub of the surface to remove any built up dirt. This will ensure a clean surface and good bond. (Ensure all relevant Health and Safety procedures are followed when cleaning Cement Fibre sheeting).
- 4 If chemicals are used during the cleaning phase, ensure the roof is washed thoroughly with clean water prior to the application of any product. This is to avoid a chemical reaction of the product.
- 5 Some surfaces may need to be carefully cleaned with a solvent and wiped down. It is necessary for the solvent to evaporate to leave a dry, clean surface.
- 6 All surfaces must be completely dry before any application takes place.

Application of ClassicLiquid Joint Mastic: (Before primer stage)

- 7 Ensure any small holes/splits or any other blemishes to the substrate are filled with the Joint Mastic. Larger holes and splits will need to be reinforced using ClassicLiquid Self Adhesive Tape after the priming stage.
- 8 All sheet laps must be sealed with ClassicLiquid Joint Mastic.
- 9 You must tool the Joint Mastic smooth immediately after application.

Application of ClassicLiquid Primer:

All surfaces must be primed before any further application commences. This will not only ensure good adhesion of the Liquid Waterproofing but will assist with consolidation of the surface.

- 10 Apply the Primer to the substrate using a brush or roller at a consumption rate of 200g per metre squared (m^2). (Consumption may increase subject to the substrates porosity). The Primer must be applied evenly ensuring that it does not pond in low areas. If this occurs the primer will not polymerise adequately and will react to the top coat.
- 11 Allow the primer to cure for between 2-4 hours (Dependent on temperature).
- 12 The primer must be "touch dry" before the application of any top coat. (Please note at low temperatures the primer will take longer to cure. Please ensure that it is fully polymerised).
- 13 If the top coat is applied whilst the Primer is still tacky, a reaction will cause the product not to bond and react with the un-polymerised primer.
- 14 You must apply the ClassicLiquid Waterproofing on to the primer on the same day! If you exceed the open time you must reapply the Primer and allow it to dry before continuing, paying close attention to the points above.
- 15 If it rains or the roof gets wet before the Primer has cured, you must dry the roof and reapply the Primer.

Application of ClassicLiquid Self Adhesive Tape:

- 16 Once the Primer has cured ensure the surface is clean and dry, reinforce all joints and laps on the Cement Fibre Sheets with ClassicLiquid Self Adhesive tape ensuring that it is full adhered to the previously primed and dry surface.

ClassicLiquid Detail Coating:

- 17 Any Up Stands, Corners, Gutters or changes of direction details must be coated in ClassicLiquid Detail Coating at a minimum coverage rate of $1.8kgm^2$.
- 18 Any areas where it is impossible to apply ClassicLiquid Self Adhesive Tape ie. over fixings etc., please use the Detail Coating product at a minimum consumption rate of $1.8kg/m^2$.

Application of ClassicLiquid Waterproofing:

It is vital that ClassicLiquid Thickening Additive is mixed into the product to avoid runs and sags to ensure an even coating at a rate of between 10% to 30%. The amount will be determined by the severity of the pitch or size of Profile to Roof Sheet. (For example: 15kg of Liquid Waterproofing add between 1.5 to 4.5 sachets).

- 19 Once the Primer has cured ensure the surface is clean and dry and all joints, laps have been reinforced you can apply the liquid top coat.
- 20 Ensure the surface is clean and dry and apply the ClassicLiquid Waterproofing with a roller or brush at a minimum consumption rate of 1.5kg - 1.8kg per metre squared (m^2). This will give you a thickness of approximately 1.2mm - 1.3mm.
- 21 It is very important to have the right amount of product per metre squared (m^2). To ensure this measure out and grid your area, this will ensure the correct consumption.

Do not forget that the surface area of a profiled roof sheet can be in excess of 30% greater than the measured area due to the corrugations in the roof sheet.

Although the product will cure in 2-3 hours' (Temperature dependent, please consult the product data sheet). Do not traffic the roof until the product is fully polymerised, this is normally after 48 hours.
- 22 Avoid applying the ClassicLiquid Waterproofing late on in the afternoon as dew point can affect un-polymerised material.
- 23 If the job is large and you do not finish it in one day you must overlap the previously applied coating by 100 mm (minimum) within 48 hours of the first application. If you are outside of this open time you must apply ClassicLiquid Primer to the 100mm lap and allow to dry before applying product to create the lap detail.

Alternative Liquid Waterproofing application using ClassicLiquid Detail Coating:

- 24 As the Detail Coating has the Thickening Additive already added into the product at the factory, it may be easier on smaller roofs to coat the entire prepared surface with Detail Coating.
- 25 Once the Primer has cured ensure the surface is clean and dry and all joints, laps have been reinforced you can apply ClassicLiquid Detail Coating.
- 26 Apply the Detail Coating to the clean, dry surface with a broom or brush at a rate of 1.8kg per metre squared (m^2). This will give you a thickness of approximately 1.2mm - 1.3mm. (This can be increased if required)
- 27 It is very important to have the right amount of product per metre squared (m^2). To ensure this, measure out and grid your area, this will ensure the correct consumption.
- 28 If you do not finish the install in one day you must overlap the previously applied coating by 100 mm (minimum) within 48 hours of the first application. If you are outside of this open time you must apply ClassicLiquid Primer to the 100mm lap and allow to dry before applying product to create the lap.
- 29 Although the product will cure in 4-6 hours' (Temperature dependant, please consult the product data sheet).

Avoid applying the ClassicLiquid Detail Coating late on in the afternoon as dew point can affect un-polymerised material.

Do not traffic the roof until the product is fully polymerised, this is normally after 48 hours.

APPLICATION OF CLASSICLIQUID WATERPROOFING SYSTEM TO PROFILED METAL ROOF SHEETING & CLADDING

Important information for application of all products: All products must be applied at a minimum temperature of 50°C and rising.

The following steps must be taken when applying product to Metal Roof Sheeting & Cladding:

Surface cleaning and preparation:

- 1 Ensure all surfaces are clean, dry and free from any debris, dust, dirt.
- 2 It is good practice to remove any loose or corroded fixings and replace with new.
- 3 It is essential that all rust is fully removed back to bright metal.
- 4 Any large holes in the substrate must be plated and welded into place.
- 5 Where possible you must pressure wash and scrub the surface to remove any built up dirt. This will ensure a clean surface and good bond. (Ensure all relevant Health and Safety procedures are followed when cleaning Metal Roof Sheets).
- 6 If chemicals are used during the cleaning phase, ensure the roof is washed thoroughly with clean water prior to the application of any product. This is to avoid a chemical reaction of the product.
- 7 Some surfaces may need to be carefully cleaned with a solvent and wiped down. It is necessary for the solvent to evaporate to leave a dry, clean surface.
- 8 All surfaces must be completely dry before any application takes place.

Application of ClassicLiquid Joint Mastic: (Before primer stage)

- 9 Ensure any small holes/splits or any other blemishes to the substrate are filled with the Joint Mastic. Larger holes and splits will need to be reinforced using ClassicLiquid Self Adhesive Tape after the priming stage.
- 10 ALL sheet laps must be sealed with ClassicLiquid Joint Mastic.
- 11 You must tool the Joint Mastic smooth immediately after application.

Application of ClassicLiquid Primer:

All surfaces must be primed before any further application commences. This will not only ensure good adhesion of the Liquid Waterproofing but will assist with consolidation of the surface.

- 12 Apply the Primer to the substrate using a brush or roller at a consumption rate of 200g per metre squared (m^2). (Consumption may increase subject to the substrate's porosity). The Primer must be applied evenly ensuring that it does not pond in low areas. If this occurs the primer will not polymerise adequately and will react to the top coat.
- 13 Allow the primer to cure for between 2-4 hours (Dependent on temperature).
- 14 The primer must be "touch dry" before the application of any top coat. (Please note at low temperatures the primer will take longer to cure. Please ensure that it is fully polymerised).
- 15 If the top coat is applied whilst the Primer is still tacky a reaction will cause the product not to bond and react with the un-polymerised primer.
- 16 You must apply the ClassicLiquid Waterproofing on to the primer on the same day! If you exceed the open time you must reapply the Primer and allow it to dry before continuing, paying close attention to the points above.
- 17 If it rains or the roof gets wet before the Primer has cured, you must dry the roof and reapply the Primer.

Application of ClassicLiquid Self Adhesive Tape:

- 18 Once the Primer has cured ensure the surface is clean and dry, reinforce ALL joints and laps on the Cement Fibre Sheets with ClassicLiquid Self Adhesive tape ensuring that it is full adhered to the previously primed and dry surface.

ClassicLiquid Detail Coating:

- 19 Any Up Stands, Corners, Gutters or changes of direction details must be coated in ClassicLiquid Detail Coating at a minimum coverage rate of 1.8kg/m².
- 20 Any areas where it is impossible to apply ClassicLiquid Self Adhesive Tape ie. over fixings etc., please use the Detail Coating product at a minimum consumption rate of 1.8kg/m².

Application of ClassicLiquid Waterproofing:

It is vital that ClassicLiquid Thickening Additive is mixed into the product to avoid runs and sags to ensure an even coating at a rate of between 10% to 30%. The amount will be determined by the severity of the pitch or size of Profile to Roof Sheet. (For example: 15kg of Liquid Waterproofing add between 1.5 to 4.5 sachets).

- 21 Once the Primer has cured ensure the surface is clean and dry and all joints, laps have been reinforced you can apply the liquid top coat.
- 22 Ensure the surface is clean and dry and apply the ClassicLiquid Waterproofing with a roller or brush at a minimum consumption rate of 1.5kg - 1.8kg per metre squared (m²). This will give you a thickness of approximately 1.2mm - 1.3mm.
- 23 It is very important to have the right amount of product per metre squared (m²). To ensure this measure out and grid your area, this will ensure the correct consumption.

Do not forget that the surface area of a profiled roof sheet can be in excess of 30% greater than the measured area due to the corrugations in the roof sheet.

Although the product will cure in 2-3 hours' (Temperature dependent, please consult the product data sheet). Do not traffic the roof until the product is fully polymerised, this is normally after 48 hours.
- 24 Avoid applying the ClassicLiquid Waterproofing late on in the afternoon as dew point can affect un-polymerised material.
- 25 If the job is large and you do not finish it in one day you must overlap the previously applied coating by 100 mm (minimum) within 48 hours of the first application. If you are outside of this open time you must apply ClassicLiquid Primer to the 100mm lap and allow to dry before applying product to create the lap detail.

Alternative Liquid Waterproofing application using ClassicLiquid Detail Coating:

- 26 As the Detail Coating has the Thickening Additive already added into the product at the factory, it may be easier on smaller roofs to coat the entire prepared surface with Detail Coating.
- 27 Once the Primer has cured ensure the surface is clean and dry and all joints, laps have been reinforced you can apply ClassicLiquid Detail Coating.
- 28 Apply the ClassicLiquid Detail Coating to the clean, dry surface with a broom or brush at a rate of 1.8kg per metre squared (m²). This will give you a thickness of approximately 1.2mm - 1.3mm. (This can be increased if required).
- 29 It is very important to have the right amount of product per metre squared (m²). To ensure this, measure out and grid your area, this will ensure the correct consumption.

- 30 If you do not finish the install in one day you must overlap the previously applied coating by 100 mm (minimum) within 48 hours of the first application. If you are outside of this open time you must apply ClassicLiquid Primer to the 100mm lap and allow to dry before applying product to create the lap.
- 31 Although the product will cure in 4-6 hours' (Temperature dependant, please consult the product data sheet).
- 32 Avoid applying the ClassicLiquid Detail Coating late on in the afternoon as dew point can affect un-polymerised material.
- Do not traffic the roof until the product is fully polymerised, this is normally after 48 hours.



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