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Jika®

Hartnell Taylor Cook 7-10 Chandos Street, Cavendish Square, London, W1G 9DQ

CONTACT

Louie Farrington Area Technical Manager 07876 897331 farrington.louie@uk.sika.com

RE: Shrub End Clinic

20th September 2017 Reference: 032-2017-0126233A

For the attention of Guy Davies

Dear Guy Davies

Further to the site visit on the 06 September 2017, this document has been compiled for your attention by Louie Farrington of Sika Liquid Plastics, it is based on the information gathered during recent discussions and is intended to provide guidance relating to the treatment of the area(s) in question.

This specification should be read in conjunction with the relevant product data sheets and all named appendices.

This specification is valid for a period of 12 months, after which a further site survey should be carried out to ensure that the suggested solutions are still fit for purpose.

Any variations to this specification must be confirmed by Sika Liquid Plastics to ensure the suitability of the proposed change and any impact this may have on any guarantees offered or implied. As part of Sika Liquid Plastics' continuous product development, we retain the right to alter our product specifications in accordance with relevant national and international standards without notice.

The specified Sika Liquid Plastics system is designed as a completely cold applied system. The installation process requires no hot works or heat in the preparation, installation or for drying off purposes and should therefore not be used or requested from the client under any circumstances.

We trust this is of assistance to you. If we can be of further help on this, or any other project, please do not hesitate to contact me on 07876 897331.

Kind regards

Cottinge

fl none

Louie Farrington

Area Technical Manager

John Moore

Technical Advisor

This specification was amended on 20/09/2017 at the request of Louie Farrington. The amendment addressed the following:reduce the guarantee to 15 years.

PROJECT PROPOSAL



HARTNELL TAYLOR COOK - LONDON

PROJECT: SHRUB END CLINIC

PROJECT REF: 032-2017-0126233A

DATE: 20 SEPTEMBER 2017





CONTACT SHEET

| Prepared for: | Hartnell Taylor Cook 7-10 Chandos Street, Cavendish Square, London, W1G 9DQ |
|---|--|
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1. SPECIFICATION - SHRUB END CLINIC

1.1 CONDITION REPORT

1.1.1 OVERVIEW OF EXISTING ROOF



General Overview: Shrub End Clinic is in need of refurbishment and requires thermally upgrading to meet current building regulations.

The client has asked for the existing felt waterproofing to be stripped off.

Decothane Ultra is a Cold Applied, Seamless waterproofing membrane giving guarantees ranging from 15 -25 years.

1.1.2 CORE SAMPLE

Core Sample Moisture Result: No evidence of moisture was found at the core sample site.

1.1.3 SUBSTRATE DETAILS



Currently felt with loose laid chippings on top.









Existing Waterchecks and Drip Trims: The existing waterchecks and drip trims are in a poor condition and should be removed and replaced.

Project Ref: 032-2017-0126233A Client : Hartnell Taylor Cook - Colchester Project : Shrub End Clinic 8 / 21





Brickwork upstands

Low door thresholds



Perimeter details to be raised to allow additional insualtion required to meet current building regulation.

1.1.7 PENETRATIONS



Penetrations: Inspect each penetration and carry out any necessary repairs.

1.1.8 ROOFLIGHTS/ACCESS HATCHES/GLAZING



Rooflights: The rooflights require upgrading and will require replacing with new Sika Liquid Plastics Decolight units.





1.1.9 DRAINAGE



Internal Outlets: The outlets appear to be in a reasonable condition and are suitable for coating.

Note: The required flow capacity of each outlet should be determined and if necessary, surplus materials cut back to reinstate the original flow capacity.





1.2 – SYSTEM SCHEDULE

| AREA | MATERIAL |
|-----------------------|---|
| Guarantee Level | Material Guarantee & Final Inspection Certificate |
| System Type | Warm |
| Substrate | Plywood/OSB |
| VCL | S-Vap 7000E DP |
| Insulation | Decotherm Tapered |
| Carrier Membrane | S-Vap 5000E SA |
| Coating | Decothane Ultra 15 |
| Substrate Condition 1 | Smooth |
| Application Type | Roller |

The following specification is to be read in conjunction with the project condition report, drawings and project specific documentation where included, and all points should be considered as part of the scope of works.





1.3 – GUARANTEE



Material Guarantee and Final Inspection Certificate

This specification qualifies for a 15 year guarantee.

Summary of Guarantee

Partnership between Sika Liquid Plastics and the Quality Assured Roofing Contractor.

Should water ingress occur during the guarantee period due to defective materials or poor installation, we will repair the defect or at our option pay the reasonable cost of repair or replacement of the defective part or parts of the Materials.

What does it cover?

- All materials supplied by Sika Liquid Plastics
- Workmanship due to Contractor Insolvency
- Direct consequential loss for a successful claim limited to the contract value

Workmanship

For this guarantee to be issued, the system must be installed by a fully trained Sika Liquid Plastics Quality Assured Contractor. The workmanship cover from Sika Liquid Plastics would come into effect should the installing contractor become insolvent, until this time, the workmanship is covered by the QA Contractor.

Guarantee Requirements

- All products supplied by Sika Liquid Plastics have been paid for in full
- Project must be passed for guarantee by the Sika Liquid Plastics Applications Department





1.4 - PREPARATION

Removal of Existing: The existing roof build-up is to be stripped back to the deck level, the exposed surfaces must then be inspected, repaired as necessary and prepared to receive the new system.

Structural Integrity: The existing structure is to be checked by a suitably qualified agent. Structural requirements are beyond the scope of this specification.

Protection of Exposed Roof Decks: Removal of existing waterproofing systems may well need to be phased so that only areas that can be waterproofed or, otherwise suitably protected from water ingress, are exposed.

Surface Lying Debris: Prior to the initial cleaning of the roof, all surface lying debris should be removed by conventional methods.

Note: Outlet leaf grates and or protection should be fitted in all cases to ensure that no debris enters the drainage system.

Initial Cleaning: All surfaces to be coated are to be thoroughly cleaned by conventional means. Ensure that surfaces are free from visible dampness and that surface lying dust, dirt and other forms of contamination are removed.

Existing Plywood Deck: The plywood is to be a minimum 18mm thick and certificated to conform with BS EN 1995-1-1: Eurocode 5 – 'Design of timber structures. The deck is to be securely fastened to the substructure using corrosion resistant screws or galvanised annular ring shanked nails. Heads of nails or screws to be punched or countersunk flush with the surface of the deck where proud. The board joints should be level with no step. The structural integrity of the existing deck should be checked and certified by a suitably qualified agent prior to installation of the Sika Liquid Plastics System.

Cracks/Gaps: Cracks, gaps, holes, etc., are to be raked out, suitably prepared, cleaned and made good using compatible materials prior to further treatment.

Previous Repairs: Inspect any previous repair materials, patches, etc., any which are loose or suspected to be loose are to be removed.

Exposed Metal Surfaces: Exposed metal surfaces to be included in the coating schedule are to be wire brushed or mechanically abraded to remove rust/scale or oxidation. Return to a clean, bright metal wherever possible. Note: Use equipment with deference to safety and where necessary, check suitability with the equipment provider.





1.5 - PRE-TREATMENTS

Known or Stubborn Growths - Absorbent Surfaces: Visible growths or vegetation should first be removed. Treat remaining adhered growths (and/or where active spores are suspected) by liberally applying a water/bleach solution (maximum dilution 7:1). Allow to act before removing the affected material using appropriate tools. Repeat the procedure if necessary. Thoroughly rinse off and allow surfaces to dry before applying **Sika Biowash**, by brush or spray apparatus, at a maximum spread rate of **10** square metres per litre (equivalent to a minimum quantity of **0.1** litres per square metre). Allow to dry on the surface and leave to react before continuing with the application.

Note: Check Health & Safety data before use. Sika Biowash must not be allowed to enter the water drainage system.

Suspected; Known or Stubborn Growths – Non-absorbent Surfaces: Visible growths or vegetation should first be removed. Treat remaining adhered growths (and/or where active spores are suspected) by liberally applying a water/domestic bleach solution (maximum dilution 7:1). Allow to act in accordance with manufacturers instructions before removing the affected material using appropriate tools. Repeat the procedure if necessary. Thoroughly rinse off and allow surfaces to dry before continuing with the application. **Note:** Exercise care and wear necessary protective equipment when handling bleach, as directed by the provider.

1.6 – PRIMING

Timber Surfaces: Apply a coat of **Primer 600** to the prepared, sound timber surfaces, by brush or roller, at a minimum rate of 200 g/m^2 (equivalent to a maximum spread rate of 5.0 m^2/kg) and leave to dry for approximately 30 minutes or until it is no longer tacky.

Note: Plywood and OSB boards with joints at more than 500mm centres are not primed at the joints. Leave a strip of max 100mm width free of primer each side of the joint, to facilitate smaller movements of the boards. Where the width of the plywood or OSB boards is less than 500mm, the boards may be primed with **Primer 600** to a full spread. Leave to dry for approximately 30 minutes or until it is no longer tacky.

Note: Consumption depends on the roughness and absorbency of the substrate and ranges from 150 g/m² (approx $6.6m^2/kg$) to 500 g/m² (approx $2.0 m^2/kg$).

Metal Detail Areas: Apply a coat of **SikaPrimer 204N** by brush to all prepared, exposed metallic details, at a minimum coverage rate of 50ml/m² (20m² per pack) depending on surface porosity and allow to dry for a minimum of period of 20 minutes before overcoating.

Roof Surfaces-Carrier Layer: Primers are not required directly onto the new **Sika Liquid Plastics S-Vap 5000E SA** surfaces prior to the application of **Decothane Ultra**.





1.7 - VAPOUR CONTROL

Deck Surfaces Prior to Vapour Control Layer: Please select one of the following priming options;

Primer 610: Apply a coat of **Primer 610** to the prepared, sound deck surfaces, by airless spray application with a 25% overlap to ensure correct coverage and leave to dry for approximately 30 minutes or until it is no longer tacky. **Note:** Consumption depends on the roughness and absorbency of the substrate and ranges from 75g/m² to 125 g/m².

Note: Plywood and OSB boards with joints at more than 500mm centres are not primed at the joints. Leave a strip of max 100mm width free of primer each side of the joint, to facilitate smaller movements of the boards. Where the width of the plywood or OSB boards is less than 500mm, the boards may be primed with **Primer 610** to a full spread.

In accordance with BS 5250:2011 Code of Practice for control of condensation in buildings (Table D7) the suitability of the vapour control layer specified below is based on the Humidity Class 3. Should the specifier require a different Humidity Class to be used for this design, then Sika Liquid Plastics should be notified. A change of Humidity Class will probably require a change to the specification for the vapour control layer.

Vapour Control Layer: Adhere **S-Vap 7000E DP** (30m long x 1.08m wide), onto the primed substrate. All side laps (min 75mm) and end laps (min 75mm) should be fully supported and continuously sealed.

The vapour control layer is to be sealed to the abutment at the perimeter of the roof and around all penetrations. The surface of the abutment should be smooth enough to allow an adequate airtight seal of the vapour control layer.

To achieve tightly sealed joints the laps must be rolled down firmly with a pressure roller (silicone roller) or by applying pressure.

The full area of **S-Vap 7000E DP** must be pressed into place immediately after adhering, using a water filled pressure roller or similar.

Application Temperatures: Minimum application temperatures quoted in the Product Data Sheets should always be adhered to. Temporary localised arrangements for warming the substrate and/or the surface of the membrane with the use of warm air equipment is acceptable to keep the application surface at a reasonable working temperature - provided always that the methodology and equipment used do not heat the surface or material excessively and importantly are acceptable to the client for use in the area.

S-Vap 7000E DP can be used as a temporary waterproofing layer for up to 4 weeks in accordance with the Product Data Sheet. When using as a temporary waterproofing layer for a prolonged period on concrete/timber decks or over existing substrates, prime the deck using **Sika Liquid Plastics Primer 610**.

1.8 - INSULATION





Hard Edges: In order to avoid damage to the insulation at changes in levels, gutters, sumps etc, a continuous tanalised timber batten (insulation thickness minus 5mm) should be mechanically fixed at a minimum of 600mm centres.

Insulation: Before adhering the insulation, the substrate must be checked (clean without any surface contaminations, free of foreign objects and or surface toppings, oil and grease free, and dry). Install **Decotherm Tapered Insulation** in accordance with our scheme. Bond the insulation boards in **Sika Liquid Plastics Decostik SP.**

Applying the adhesive: In central zones apply 4 continuous beads of adhesive per metre in parallel straight lines with a liquid bead width of 10 – 20mm (100 – 300g/m²). In perimeter zones apply 6 continuous beads of adhesive per metre with a liquid bead width of 10 – 20mm (150 – 500g/m²). Do not apply more adhesive than can be covered in 5 minutes. The insulation boards must be laid and pressed into the adhesive beads before skin formation. When bonding insulation boards it is recommended that periodic checks are carried out to check that the adhesive ridges have been squeezed flat. Do this by lifting the insulation material at the leading edge. This is especially important on very uneven substrates.

Bonding Insulation Together: Before adhering the insulation together, both facings must be checked (clean without any surface contaminations, free of foreign objects and or surface toppings, oil and grease free, and dry). Bond the insulation boards together using **Sika Liquid Plastics Decostik SP.**

Applying the adhesive: In central zones apply 4 continuous beads of adhesive per metre in parallel straight lines with a liquid bead width of 10 – 20mm (100 – 300g/m²). In perimeter zones apply 6 continuous beads of adhesive per metre with a liquid bead width of 10 – 20mm (150 – 500g/m²). Do not apply more adhesive than can be covered in 5 minutes. The insulation boards must be laid and pressed into the adhesive beads before skin formation. When bonding insulation boards it is recommended that periodic checks are carried out to check that the adhesive ridges have been squeezed flat. Do this by lifting the insulation material at the leading edge. This is especially important on very uneven substrates.

Note: Care should be taken when installing insulation boards that upstand heights and levels to walls, parapets, rooflights, flashings and trims are maintained at 150mm minimum from the finished roof level. This may be done by raising these details forming step-down gutter sections or similar. In instances where this is not possible, steps should be taken to completely seal open jointing, providing that sufficient allowance has been made for movement. The height of flue pipes must be maintained in accordance with current regulations.

Note: Once delivered to site, insulation materials should be stored inside a building and protected from mechanical damage. If outside storage is unavoidable, insulation should be stored off the ground and totally covered with a waterproof sheet. Packaging alone cannot under any circumstances be relied upon to provide protection from moisture.

Night joints should be sealed at the end of each working day.

Priming of Insulation Boards: Apply a coat of **Primer 610** to the prepared, sound insulation surfaces, by airless spray application with a 25% overlap to ensure correct coverage and leave to dry for approximately 30 minutes or until it is no longer tacky. **Note:** Consumption depends on the roughness and absorbency of the substrate and ranges from 75g/m² to 125 g/m².

Carrier Membrane: Before adhering **S-Vap 5000E SA**, the substrate must be checked (clean without any surface contaminations, free of foreign objects and or surface toppings, oil and grease free, and dry).





S-Vap 5000E SA: Adhere **S-Vap 5000E SA** (30m long x 1.08m wide), onto the primed substrate. All side laps (min 75mm) and end laps (min 75mm) should be fully supported and continuously sealed. To achieve tightly sealed joints the laps must be rolled down firmly with a pressure roller (silicone roller) or by applying pressure.

All flashings, upstands and penetrating elements must be fully adhered. Vent pipes or difficult details can be sealed with the reinforced liquid applied waterproofing membrane.

The full field area of **S-Vap 5000E SA** must be pressed into place immediately after adhering, using a water filled pressure roller or similar.

Note: Where used on roof slopes greater than 5° all head laps shall be suitably mechanically fixed. Vertical application at upstands etc up to 250mm high above the finished roof level will not normally require additional mechanical fixing. Application greater than 250mm should be regarded as vertical work and mechanical fixing at the head or at head laps will be required.

Night joints should be sealed at the end of each working day.

Application Temperatures: Minimum application temperatures quoted in the Product Data Sheets should always be adhered to. Temporary localised arrangements for warming the substrate and/or the surface of the membrane with the use of warm air equipment is acceptable to keep the application surface at a reasonable working temperature - provided always that the methodology and equipment used do not heat the surface or material excessively and importantly are acceptable to the client for use in the area.

S-Vap 5000E SA can be used as a temporary waterproofing layer for up to 4 weeks in accordance with the Product Data Sheet.

1.9 - PRE-WATERPROOFING

Final Cleaning: Immediately prior to application, ensure that all surfaces are free from visible dampness and that surface lying dust, dirt and other forms of contamination are removed.

1.10 - DETAILING

1.10.1 - UPSTANDS

Door Threshold -

Where necessary, existing thresholds are to be raised to a minimum 150mm above the finished roof level. **Note:** This will entail the temporary removal of the existing door, adjusting the existing threshold level and either replacing or shortening the door.

- Apply the primer to the upstand as specified.
- The coating is to be finished tight beneath the threshold and sealed using **SikaHyflex-250 Facade**.





Upstand - Pre-Cut Chase

Inspect and carry out all necessary maintenance work to the upstand details.

Cut new 25mm deep chases in all upstands, ensuring a minimum 150mm upstand above the finished level of the new waterproofing.

Ensure that all chases are clean and dust free before coating.

- Apply primers to the upstands, where required.
- Dress the coating as specified onto the upstand and into the chase.
- Seal the chase using **SikaHyflex-250 Facade** once the coating has fully cured.
- Ensure that any cavity trays discharge above the finished level of waterproofing.

1.10.2 - PERIMETERS

Watercheck Perimeters:-

Remove the existing edge trims as required and make good the substrate below.

Ensure that waterchecks are a minimum 50mm above the finished level of the waterproofing system.

Finish waterchecks with new **Sika Liquid Plastics type E Decotrim** edge trims.

The trims must be fixed at **150mm** staggered centres.

For **Type E and Type F Decotrim**, the following **Sika Liquid Plastics Mechanical Fasteners** must be used:

For Timber IW-S (45mm)

For Concrete TI-S-Z10 (45mm)

For Steel BS-S (60mm)

Apply the specified Sika Liquid Plastics system as specified fully into the recess of the trim.

Note: The contractor is to confirm that the size of the specified Decotrim will suit this project and the correct fastener is used dependant on the substrate as above.

Drip Perimeters:-

Remove or make good the existing drip perimeters.

At the roof edge, install a continuous treated timber batten (insulation thickness minus 5mm) securely mechanically fixed. Finish drip perimeters with type 'D' **Sika Liquid Plastics Decotrim** edge trims.

Apply the **Decothane** system over the trim to finish on the full downward facing edge.

1.10.3 – PENETRATIONS





Sika Liquid Plastics Soil Vent Pipe:-

Install **Sika Liquid Plastics Adjustable Soil Vent Pipes** where soil vent pipes penetrate the waterproofing system in accordance with the current instructions.

The Decothane System should be dressed a minimum 150mm up the primed upstand pipe, secured with a band clip.

Existing Penetrations:-

Inspect any roof protrusions, i.e., vents, pipes, etc., to ensure watertightness. Repair or replace defective materials as necessary and prepare each protrusion as required in order to accept the coating.

Apply the primer as specified to the penetrations prior to coating.

Dress the coating onto and up penetrations to finish a minimum 150mm above the finished roof level. Ideally protect the exposed coating edge with a collar or skirt. Alternatively, terminate the coating under a cable clamp/tie.

1.10.4 - ROOFLIGHTS

New Rooflights:-

Install new **Sika Liquid Plastics Decolight** units in accordance with our Detailed Rooflight Specification, which is to follow this document. Health and safety guidelines should be followed whilst working near roof openings. Please refer to the reference number in full as listed in any correspondence pertaining to this matter to ensure that the correct units are ordered. Dress the coating onto and up the new rooflight kerb to finish at a protected edge. Where the subsequent waterproofing membrane is to be extended onto the kerb upstands, they should be primed with a suitable Sika Liquid Plastics primer and the coating dressed under the kerb flashing.

1.10.5 - DRAINAGE

The design of roof drainage should be carried out in accordance with BS EN 12056-3:2000 which specifically states the following:

General: Design of roof drainage systems shall take account of construction tolerances and settlement so as to avoid backfalls and ponding, which may adversely affect durability.

"All flat roofs should be laid to a minimum finished fall of 1:80, and to achieve this a design fall of 1:40 should be used to ensure proper drainage as recommended in BS 6229:2003."

Internal Outlets:-

Ensure that the finished level of the outlets will be lower than the existing roof level. Install suitably sized **Sika Liquid Plastics Vertical Roof Outlets** in accordance with the current instructions. Apply the primer as specified to the metal spigot of the outlets prior to coating. Dress the coating as far as is practical into the outlet pipe.





Install the Sika Liquid Plastics Vertical Leaf Grates once the coating has fully cured.

1.11 - TOP COATS

Roof Surfaces - Embedment Coat: Apply an initial embedment coat of **Decothane Ultra** to the prepared, sound, surfaces, using a minimum quantity of **1.25** litres per square metre (equivalent to a maximum spread rate of **0.8** square metre per litre) and whilst wet, strengthen by inserting **Sika Reemat Premium** glass fibre matting, followed by rollering until the mat is completely embedded and thoroughly saturated. Overlap adjacent areas already laid by 50mm ensuring sufficient embedment material is applied to these areas. At this stage, check the coating for pinholes and/or exposed matting and apply further material to correct if necessary. Allow to dry before applying the next coat.

Top Coat: Apply a final coat of **Decothane Ultra** (in a varying colour to the embedment coat) to these areas, again by roller (brushes may be used for detail work) and again using a minimum quantity of **o.5** litres per square metre (equivalent to a maximum spread rate of **2** square metre per litre) to achieve an approximate dry film thickness of 1.5mm (**1500** microns). Allow to dry.

Finishing Colour: The finishing colour has yet to be agreed.

Reinforcement: When embedding **Reemat** Glass Fibre Matting onto rough, uneven surfaces or internal angles, etc., tamping of the matting may be required. Use a soft nylon/bristle brush or small specialised roller, work the matting as required to give all round contact with the substrate.

Reinforcement: Following the embedment of **Reemat** Glass Fibre Matting, flatten any "wicks" or proud fibres by rollering with a loaded short pile roller.

Tenting: It is important to ensure that 'tenting' of the matting is avoided at all changes of angle by the sufficient application of the embedment membrane at these points.

Material Coverage: When applying materials, use volume to area calculations and/or wet film thickness readings where appropriate to ensure correct material coverage. Coverage rates may vary depending on substrate condition.

Completion of Waterproofing Works: On completion of waterproofing works, check the finish for pinholes, voids, damage etc. and spot treat to rectify.

Partial Treatment: The exposed edges of the coating, created as a consequence of partial treatment, must be inspected at regular intervals to identify any edge disbondment which should then be rectified accordingly. Such details will not be covered by a guarantee.

Note: The application of the system must be approached as one operation. Always plan for reasonable progress of each coat. Work only so far in advance that the existing surface can be overcoated as the next operation. Finish the coating system completely before progressing to the next area. The ideal time between coats is within 48 hours.

It is not good practice to plan breaks between coats of more than 14 days. Periods between coats longer than 14 days may affect





the normal life term of the system –If this happens consult Sika Liquid Plastics for advice. Ensure each application/coat is clean and dry prior to overcoating.

At no stage should the Sika Liquid Plastics system or waterproof coating in its finished or intermediate stage be used as a workspace or access floor without adequate protection.

Decothane Ultra: Odournet are a team of independent consultants that develops, manages and delivers top level expertise on sensory analysis techniques and their application for product optimisation and material testing.

According to test data, Decothane Ultra was scientifically proven to be much lower odour when benchmarked against other single pack polyurethanes available in the market.







2. APPENDICES

DISCLAIMER

The information, and, in particular, the recommendations relating to the application and end-use of Sika Liquid Plastics products, are given in good faith based on Sika Limited's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, unless from any written recommendations, or from any other advice offered by Sika Limited. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the Product Data Sheet for the product concerned, copies of which will be supplied on request.

DRAWINGS

Shrub End Clinic

| A | Penetration - Pipe |
|---|--------------------------------------|
| В | Penetration - Soil Vent Pipe - New |
| С | Perimeter - External Gutter - D Trim |
| D | Perimeter - Watercheck ABCEF |
| E | Rooflight - Decolight |
| F | Upstand - Chase |
| G | Upstand - Door Threshold - Raised |

PROJECT RELATED DOCUMENTATION

Shrub End Clinic

Decolight BBA Cetificate View

Data Sheet - Biowash View

Data Sheet - SikaHyflex®-250 Facade <u>View</u>

Data Sheet - Decostik SP View

Data Sheet - Primer 600 View

Data Sheet - S-Vap 5000E SA <u>View</u>

Data Sheet - Decotrim View

Data Sheet - Decolight View

Data Sheet - Decothane Ultra View

Sika Primer 204N View

S-Vap 7000E DP <u>View</u>

- (1) Existing deck/substrate prepared in strict accordance with Sika Liquid Plastics Project Specification
- 2 ----- S-Vap 5000E SA [as Vapour Control Layer (where required)] applied in strict accordance with Sika Liquid Plastics Project Specification
- 3 Decotherm PIR Insulation bonded in strict accordance with Sika Liquid Plastics Project Specification
- 3 Minimum 50mm thick [part L compliant R value 0.75m²K/W] Decotherm PIR Insulation bonded in strict accordance with Sika Liquid Plastics Project Specification
- (4) ----- S-Vap 5000E SA [as Carrier Membrane] applied in strict accordance with Sika Liquid Plastics Project Specification
- 5 Decothane ULTRA Embedment Coat fully reinforced with Sika Reemat Premium glass fibre matting applied in strict accordance with Sika Liquid Plastics Specification
- 6 Decothane ULTRA Top Coat applied in strict accordance with Sika Liquid Plastics Project Specification
- Typical circular penetration; fully reinforced Decothane ULTRA Waterproofing Membrane dressed minimum 150mm on to prepared and appropriately primed penetrations. When fully cured install a heavy duty tie-wrap or proprietary O-clip to protect the exposed edge of the membrane





Decothane Ultra Top Coat Colour Options:

| <u></u> |
|---------------------------------------|
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| |

| Drawing Status: CONSTRUCTION | | |
|--|------------|--|
| Project № | | |
| ^{DWG №} 032-201 | 7-0126233A | |
| Project: A | | |
| Shrub End Clinic | | |
| Britic End Clinic Drawing Title: Built Up Warm Roof Application to a typical circular penetration | | |
| Scale: 1:5 @ A3 | Drawn: GRW | |
| Date: November 2 | 015 | |
| This drawing is the CONTRACT STRUCT of STRUCT is drawing is the CONTRACT STRUCT of STRUCT is solely intended to illustrate the correct application of StRu Liquid Plastics products and systems, and must be read in conjunction with the appropriate specification and current issue of relevant Product. Data Sheets, Elements bearing reference to structural and/or thermal design are shown indicatively and should not be used for any aspect of project design without consulting the relevant authorities. | | |
| Liquid Plastics | | |

- (1) Existing deck/substrate prepared in strict accordance with Sika Liquid Plastics Project Specification
- 2 ----- S-Vap 5000E SA [as Vapour Control Layer (where required)] applied in strict accordance with Sika Liquid Plastics Project Specification
- 3 Decotherm PIR Insulation bonded in strict accordance with Sika Liquid Plastics Project Specification
- (4) ----- S-Vap 5000E SA [as Carrier Membrane] applied in strict accordance with Sika Liquid Plastics Project Specification
- 5 Decothane ULTRA Embedment Coat fully reinforced with Sika Reemat Premium glass fibre matting applied in strict accordance with Sika Liquid Plastics Specification
- 6 Decothane ULTRA Top Coat applied in strict accordance with Sika Liquid Plastics Project Specification
- (7) Fully reinforced Waterproofing System applied to SVP extension primed with Sika Liquid Plastics Metal Primer
- 8 Proprietary O clip applied to the cured Decothane ULTRA Waterproofing System to prevent exposed-edge disbondment
- (9) Sika Liquid Plastics Soil Vent Pipe extension bonded to the prepared deck with Decostik SP





Decothane Ultra Top Coat Colour Options:

RAL 9016 - White RAL 7015 - Slate Grey RAL 000 85 00 - Shale Grey RAL 7045 - Cloud Grey

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| Status: | CONSTRUCTION | | |
|--|--------------|---------|--------|
| Project Nº | | | |
| DWG № | 032-2017 | -01262 | 83A |
| Project: | В | | |
| Shrub Er | nd Clinic | | |
| Drawing Titl | | f Appli | sation |
| Built Up Warm Roof Application to Sika Liquid Plastics Soil Vent Pipe Extension | | | |
| Scale: 1:5 | @ A3 | Drawn: | GRW |
| Date: November 2015 | | | |
| This drawing is the DOMENTS concerts on Site Li2O117 must not be reproduced in whet DOMENTS concerts and the set of the concert application of Site Liquid Plastics products and systems, and must be read in conjunction with the appropriate specification and current issue of relevant Product Data Sheets. Elements bearing reference to structural and/or themal design are shown indicatively and should not be used for any aspect of project design without consulting the relevant authorities. | | | |
| Liquid Plastics | | | |

- (1) Existing deck/substrate prepared in strict accordance with Sika Liquid Plastics Project Specification
- 2 ----- S-Vap 5000E SA [as Vapour Control Layer (where required)] applied in strict accordance with Sika Liquid Plastics Project Specification
- 3 Decotherm PIR Insulation bonded in strict accordance with Sika Liquid Plastics Project Specification
- 4 S-Vap 5000E SA [as Carrier Membrane] applied in strict accordance with Sika Liquid Plastics Project Specification
- (5) Decothane ULTRA Embedment Coat fully reinforced with Sika Reemat Premium glass fibre matting applied in strict accordance with Sika Liquid Plastics Specification
- 6 Decothane ULTRA Top Coat applied in strict accordance with Sika Liquid Plastics Project Specification
- (7) Mechanically fixed **Type-D Decotrim** with fully reinforced Decothane Waterproofing System terminated on the external drip edge





Decothane Ultra Top Coat Colour Options:



| Status: CONS | TRUCTION | |
|---|----------------|--|
| Project № | | |
| ^{DWG №} 032-2017 | -0126233A | |
| Project: C | | |
| Shrub End Clinic | | |
| Drawing Title | | |
| Built Up Warm Roo to an external out | of Application | |
| with Type-D Decot | rīm | |
| Scale: 1:5 @ A3 | Drawn: GRW | |
| Date: November 2015 | | |
| This drawing is the DOTHERS protection ISta Li2011 , must not be reproduced in where DOTHERS protection ISta Li2011 , must not be copyrights are reserved. Moreover, it is solely intended to illustrate the correct application of Sita Liquid Plastics products and systems, and must be read in conjunction with the appropriate specification and current issue of relevant Product. Data Sheets. Elements bearing reference to structural and/or thermal design are shown indicatively and should not be used for any aspect of project design without consulting the relevant authorities. | | |
| Liquid Plastics | | |

- <u>Key</u>
- 1 Existing deck/substrate prepared in strict accordance with Sika Liquid Plastics Project Specification
- 2 S-Vap 5000E SA [as Vapour Control Layer (where required)] applied in strict accordance with Sika Liquid Plastics Project Specification ------
- 3 Decotherm PIR Insulation bonded in strict accordance with Sika Liquid Plastics Project Specification
- 4 S-Vap 5000E SA [as Carrier Membrane] applied in strict accordance with Sika Liquid Plastics Project Specification
- 5 Decothane ULTRA Embedment Coat fully reinforced with Sika Reemat Premium glass fibre matting applied in strict accordance with Sika Liquid Plastics Specification
- 6 Decothane ULTRA Top Coat applied in strict accordance with Sika Liquid Plastics Project Specification
- \bigcirc Tanalised timber fillets [as required] mechanically fixed/bonded with Decostik SP
- (8) Type-A [50mm], Type-B [80mm], Type-C [100mm], Type-E [150mm], or Type-F [200mm] Decotrims... fully reinforced Decothane ULTRA Waterproofing System terminated in the integral protected upstand









- (1) Existing deck/substrate prepared in strict accordance with Sika Liquid Plastics Project Specification
- 2 ----- S-Vap 5000E SA [as Vapour Control Layer (where required)] applied in strict accordance with Sika Liquid Plastics Project Specification
- 3 Decotherm PIR Insulation bonded in strict accordance with Sika Liquid Plastics Project Specification
- (4) ----- S-Vap 5000E SA [as Carrier Membrane] applied in strict accordance with Sika Liquid Plastics Project Specification
- 5 Decothane ULTRA Embedment Coat fully reinforced with Sika Reemat Premium glass fibre matting applied in strict accordance with Sika Liquid Plastics Specification
- (6) Decothane ULTRA Top Coat applied in strict accordance with Sika Liquid Plastics Project Specification
- (7) Fully reinforced Decothane ULTRA Waterproofing System dressed on to prepared upstand kerb and terminated beneath the integral flashing
- 8 Mechanically fixed Sika Liquid Plastics **Decolight Rooflight** [Modular or Bespoke] on nominal 300mm uPVC kerb





Decothane Ultra Top Coat Colour Options:

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- (1) Existing deck/substrate prepared in strict accordance with Sika Liquid Plastics Project Specification
- 2 ----- S-Vap 5000E SA [as Vapour Control Layer (where required)] applied in strict accordance with Sika Liquid Plastics Project Specification
- 3 Decotherm PIR Insulation bonded in strict accordance with Sika Liquid Plastics Project Specification
- (4) ----- S-Vap 5000E SA [as Carrier Membrane] applied in strict accordance with Sika Liquid Plastics Project Specification
- 5 Decothane ULTRA Embedment Coat fully reinforced with Sika Reemat Premium glass fibre matting applied in strict accordance with Sika Liquid Plastics Specification
- (6) Decothane ULTRA Top Coat applied in strict accordance with Sika Liquid Plastics Project Specification
- Fully reinforced Decothane ULTRA Waterproofing System dressed on to prepared primed upstands, terminated in a 25mm x 10mm cleaned and primed pre-cut chase, weather-pointed with mortar or sealed with SikaHyflex-250 Facade sealant





Decothane Ultra Top Coat Colour Options:

| Drawing Status: | CONS | TRUC | CTION |
|--|--------------------------------------|--------|-------|
| Project Nº | | | |
| DWG № | 032-2017 | -01262 | B3A |
| Project: | F | | |
| Shrub E Shrub E Drawing Tit | Shrub End Clinic Shrub End Clinic | | |
| Built Up Warm Roof Application to an upstand with pre-cut chase | | | |
| Scale: 1:5 | 5 @ A3 | Drawn: | GRW |
| Date: No | vember 201 | .5 | |
| This drawing is the DOMENTS Experts of Star 20047 must not be reproduced in whet DOMENTS Experts of Star 20047 must not be correct application of Sha Liquid Plastics products and systems, and must be read in conjunction with the appropriate specification and current issue of relevant Product Data Sheets. Elements bearing reference to structural and/or thermal design are shown indicatively and should not be used for any aspect of project design without consulting the relevant authorities. | | | |
| Liquid Plastics | | | |

- (1) Existing deck/substrate prepared in strict accordance with Sika Liquid Plastics Project Specification
- 2 ----- S-Vap 5000E SA [as Vapour Control Layer (where required)] applied in strict accordance with Sika Liquid Plastics Project Specification
- 3 Decotherm PIR Insulation bonded in strict accordance with Sika Liquid Plastics Project Specification
- (4) ----- S-Vap 5000E SA [as Carrier Membrane] applied in strict accordance with Sika Liquid Plastics Project Specification
- 5 Decothane ULTRA Embedment Coat fully reinforced with Sika Reemat Premium glass fibre matting applied in strict accordance with Sika Liquid Plastics Specification
- (6) Decothane ULTRA Top Coat applied in strict accordance with Sika Liquid Plastics Project Specification
- (7) Decothane ULTRA Waterproofing System dressed on to prepared and primed upstands, terminated tightly at the junction with the projecting sill and sealed with a continuous minimum 6mm bead of **SikaHyflex-250 Facade** sealant





Decothane Ultra Top Coat Colour Options:

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| Drawing Status: | CONSTRUCTION |
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| Project N | |
| DWG № | 032-2017-0126233A |
| Project: | G |
| Shrub End Clinic | |
| Drawing Tide: Built Up Warm Roof Application to a projecting Door Threshold/Sill raised to suit proposed insulation level | |
| Scale: 1 | 5 @ A3 Drawn: GRW |
| Date: N | ovember 2015 |
| This drawing is the DOMENTIAL STREAM OF AN INFORMATION OF AN INFO | |
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