

R M Polymers  
Brynanel,  
Loverdon Road,  
Aberystwyth,  
SY23 2ED

**For the attention of Colin Richards**

Dear Colin Richards

Further to discussions on the 05 October 2014, this document has been compiled for your attention by Wayne Hughes of W H Coatings, it is based on the information gathered during recent discussions and is intended to provide details relating to the treatment of the Roof areas 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.

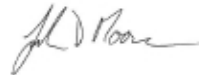
Any variations to this specification must be confirmed by Sika Liquid Plastics to ensure the suitability of the proposed change and any impact this may have on any guarantees offered or implied. As part of Sika Liquid Plastics' continuous product development, we retain the right to alter our product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

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 07714 424617.

Kind regards



Wayne Hughes  
W H Coatings



John Moore  
Specification Author

# Specification



Client: **R M Polymers - Aberystwyth**

Project: **2 Maes Ceirio, Aberystwyth**

Date: **15 October 2014**



The information, and, in particular, the recommendations relating to the application and end-use of Sika Liquid Plastic's 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.



## Contact Sheet

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Date:	15 October 2014

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# 1. Specification - Flat Roof

## 1.1 CONDITION REPORT

## 1.2 – SYSTEM SCHEDULE

AREA	MATERIAL
Project Type	Material Guarantee
System Type	Coating
Substrate	Felt waterproofing
Coating	Sikalastic 618 Advanced System
Substrate Condition 1	Intermediate
Application Type	Roller

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

## 1.3 – GUARANTEE

For this project Sikalastic 618 15 has been specified which qualifies for a 15 year Material Guarantee for Sika Liquid Plastics products, with the exception of SikaHyflex-250 Facade which is a maintenance item(s).

The Sika Liquid Plastics Material Guarantee is for the benefit of the Customer and cover includes all Sika Liquid Plastics products supplied by Sika Liquid Plastics including membrane, vapour control layers, carrier membranes, rooflights, roof trims, etc in the instance that they fail to fulfill their waterproofing function. Any product(s) not supplied and invoiced for by Sika Liquid Plastics will not be covered by the Sika Liquid Plastics Guarantee.

To maintain the guarantee, good roof husbandry must be carried out in accordance with Annex B of BS 6229. The roof should therefore be periodically inspected and minor maintenance works undertaken, including the unblocking of roof outlets and the repair of any mastic seals.

The Sika Liquid Plastics Guarantee can be assigned by the holder up to 3 times, provided that Sika Limited is notified in writing.

**NB: The specifier, Client or Main Contractor should always request the Sika Liquid Plastics Material Guarantee from the Contractor.**

## 1.4 – DECK PREPARATION

All surfaces to receive the coating should be clean, dry, free from visible defects and prepared in accordance with the relevant Product Data Sheets.

**Note:** Under typical conditions the free movement of air across the substrate will result in a rapid dispersion of vapours, however to avoid any odours entering buildings within the surrounding area, windows must be closed and air-conditioning systems re-directed or switched off. The odour will contain solvents but at a level much lower than household gloss paint and therefore poses little risk to both the applicators and those in the vicinity. For further information, please contact Liquid Plastics.

## 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.

## 1.6 – PRIMING

All relevant surfaces should be primed in accordance with product data sheets. These can be found on our website [www.liquidplastics.co.uk](http://www.liquidplastics.co.uk)

**Exposed Metallic Surfaces/Coatings/Aluminium Solar Reflective Paint:** Apply a coat of **Sika Liquid Plastics Metal Primer** to all prepared, exposed metallic surfaces, onto any remaining coated areas and/or aluminium solar reflective paint, at a maximum spread rate of **6.5** square metres per litre (equivalent to a minimum quantity of **0.15** litre per square metre) by brush or airless spray and allow to dry for a minimum of 6 hours before overcoating. Note: Brush application is recommended for smaller areas or where airless spray application is impractical. Do not apply too thickly.

**Adhesion Tests - Coatings & Aluminium Solar Reflective Paint:** Prior to the commencement of works, adhesion/substrate compatibility trials are to be carried out onto any remaining coated areas and/or aluminium solar reflective paint to confirm substrate stability, the integrity of remaining coatings and adhesion of the proposed system. Following this test, the above priming system may need to be amended.

## 1.7 – DETAILING

### 1.7.1 – PERIMETERS

#### Watercheck/Drip Perimeters -

Perimeters can be finished with a suitable **Sika Liquid Plastics Decotrim**.

## 1.8 – TOP COATS

**Roof Surfaces - Base Coat:** Apply an initial embedment coat of **Sikalastic 618** to the prepared, sound roof surfaces, using a minimum quantity of **1.25** litres per square metre (equivalent to a maximum spread rate of **0.8** square metres per litre) and whilst wet, strengthen by inserting **Sika Reemat Premium** glass fibre matting, followed by rolling 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 second coat.

**Roof Surfaces - Top Coat:** Apply a coat of **Sikalastic 618** to these reinforced areas by roller (brushes may be used for detail work) using a minimum quantity of **1** litre per square metre to achieve an approximate overall dry film thickness of 1.6mm (**1600** microns). Allow to dry.

**Reinforcement:** When embedding **Sika Reemat Premium** 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 **Sika Reemat Premium** Glass Fibre Matting, flatten any "wicks" or proud fibres by rolling 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.

**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 4 days. For periods longer than this and less than 14 days the surface must be reactivated with Sika Reactivation Primer. 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.

## 2. Contractors

### 2.1 – SELECTED CONTRACTORS

#### **R M Polymers**

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Address	Bryn Awel, Lovedon Road, Aberystwyth, Ceredigion, SY23 2ED
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Contact	Colin Richards
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Telephone	
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Email	
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## 3. Appendices

### DRAWINGS

#### Flat Roof

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A Perimeter - Watercheck - ABCE Trim - [View](#)

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### PROJECT RELATED DOCUMENTATION

#### Flat Roof

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Data Sheet - Biowash - [View](#)

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