# CONSTRUCTION SPECIFICATION PART 2

# For

# REPAIRS TO FAILED ASPHALT FLAT ROOF

# At

# NANTWICH CIVIC HALL.

# For

# NANTWICH TOWN COUNCIL



## 1. GENERAL CONSTRUCTION SPECIFICATION

CONSTRUCTION TO BE IN ACCORDANCE WITH THE RELEVANT CURRENT BUILDING REGULATIONS, BRITISH STANDARDS CODE OF PRACTICE, MANUFACTURERS WRITTEN INSTRUCTIONS, AGREMENT CERTIFICATES AND ALL RELEVANT STATUTORY AUTHORITY REQUIREMENTS AS APPLICABLE.

## 2. PREPARATION OF THE EXISTING ROOF

Clear roof of any debris. Cut and reseal any blisters and reinforce weak areas in an approved manner to form an adequate vapour control layer. NOTE WHERE IT NOT POSSIBLE TO FORM AN ADEQUATE VCL LAY 500 GAUGE VISQUEEN OVER THE ROOF BEFORE FIXING THE INSULATION.

## 3. INSULATION

LAY 110MM KINGSPAN THERMAROOF TR26 LPC/FM OVER ROOF Comprising a HIGH-PERFORMANCE rigid thermoset insulation core faced on both sides with a low emissivity composite foil facing. The product shall be manufactured: with a blowing agent that has zero Ozone Depletion Potential (ODP) and low Global Warming Potential (GWP); in accordance with the requirements of BS 4841–4; under a management system certified to ISO 9001: 2015, ISO 14001: 2015, BS / I.S. OHSAS 18001: 2007 and ISO 50001: 2011; by Kingspan Insulation Limited; and installed in accordance with the instructions issued by them

## 4. ROOF WATERPROOFING SYSTEM

HAMBLESIDE DANELAW LTD DRYSEAL roof covering system comprising GRP (Glass Reinforced Polyester) thermoset materials, laid as a single layer over the whole roof surface, including upstands and flashings. The single applied layer TO BE covered by Dryseal TOPCOAT, a high- performance, liquid applied, protective coating.

## 5. PERFORMANCE

tested to the conditions laid down in BS 476-3: 1975 extended fire exposure roof test designated FAC.

## 6. DURABILITY

TO have a life expectancy in excess of 30 years.

## 7. GAURANTEE

PROVIDE a leak-free insurance backed guarantee of 20 years, the system has been installed in accordance with the manufacturer’s instructions contained in the Technical Manual. Contact Hambleside Danelaw for further information.

## 8. DESIGN CONSIDERATIONS

Insulation TO BE loose laid with staggered joints, the stiffness of membrane and the regularity of seam fixing being sufficient restraint. Hard objects immediately below the membrane, such as fasteners and pressure plates, are acceptable but not preferred.

The membrane, being mechanically fixed, can accommodate some movement in the substrate and in the membrane itself. Specific movement joints in the structure can be accommodated by using specific trims or combinations of trims from within the wide range of Dryseal preformed components.

## 9. Health and safety:

Dryseal Polyester Resin, TOPCOAT and cleaning solution products are particularly hazardous and must be used strictly in accordance with manufacturer’s recommendations. The vapour given off is heavier than air and may spread along floors. Vapour may form explosive mixtures with air. Sources of ignition should be removed, including naked lights. Electrical equipment should be protected to the appropriate standard. Smoking, eating and drinking should be prohibited in application areas. The products also require the use of personal protection, including antistatic clothing, respiratory protection, safety eyewear and hand protection.

The use of these products must be included in the Health and Safety Plan

## 10. MEMBRANE

TO BE H1250F HD Dryseal Flat Sheet manufactured in widths up to 1250 mm. Nominal thickness: 1.3 mm. Roll length 6 metres. Colour: Top coat in dark grey

## 11. TRIMS/FLASHINGS/COPING TOPS

Manufactured from GRP:

H0200A and H0250A: Flat edge/ drip trims for use where drainage is required. Available in a range of fascia depths.

H0260D: Wall fillets — for use against abutments, providing for expansion and cross-roof ventilation.

H0300F: Continuous flashing — a 300 mm wide flashing for use where a continuous narrow strip of membrane is required. Available in 30 m rolls, longer lengths are available on order.

H0150G, H0275G, H0150H and H0275H: Internal and external angles — for use when 90° angle details are required.

H0065K and H0130K: Coping trims — to cover existing coping on parapets, etc.

Pipe penetration collar in GRP for use with Dryseal waterproof membranes.