

Crown Street

Tower C4

Operating & Maintenance Manual

NRA Roofing Package



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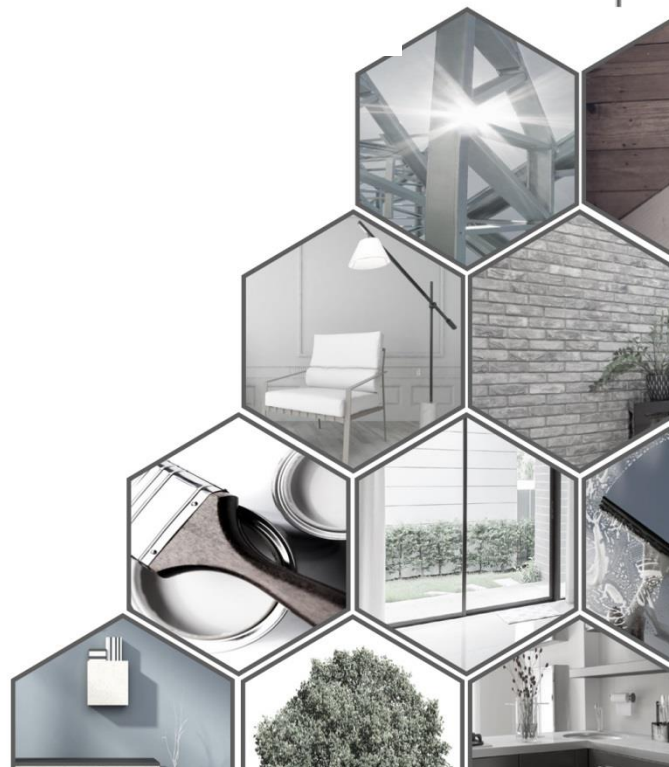


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1.1. Company Details

NRA roofing & Flooring Services Ltd

Rock House

Belfield Street

Ilkeston

Postcode DE7 8DU

Tel: 0115 9304019

Email: info@nraroofing.co.uk

Web: www.NRAroofing.co.uk

1.2. Scope of Works

Roof areas forming the blue roof, NRA carried out an adhesion test to the concrete, then installed the axter wilotekt system, this was followed by the blue roof crate and 400mm of type 3 stone. This was then compacted with a Bomaq 80 roller.

1.3. Design Criteria

Please see section 7.2 for the drawings/designs.



2.1. Residual Risks

This section is not applicable to these works.

2.2. Disposal Methods

This section is not applicable to these works.

2.3. Fire Prevention Measures

This section is not applicable to these works.

2.4. Significant Weights

This section is not applicable to these works.

2.5. COSHH / Safety Data Sheets

Section	Document Description
2.5.1	Wilotekt Compound
2.5.2	Wilotekt Protection Membrane
2.5.3	Wilotekt Reinforcement Mesh
2.5.4	Wilotekt Conditioning Primer
2.5.5	AQUAMODUL BLUE ROOF RESTRICTOR CHAMBER_0419
2.5.6	AQUAMODUL BLUE ROOF_0222



3 Product / Installation Information

3.1. Product / Equipment Schedule

Product / Equipment Description	Model Number	Warranty / Guarantee Expiry Date	Location	Supplier Contact Details
Axter Blue Roof	N/A	35 years from completion / handover of works – Axter platinum cover.	Roof	Axter Ltd West road Ransome Euro Park Ipswich Suffolk IP3 9SX Tel: 01473 724 056 Email: info@axterltd.co.uk Web: www.axter.co.uk

3.2. Manufacturer's Literature

Section	Item Supplied	Document Description
3.2.1	Axter Blue Roof	Installation Procedure



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Operating Instructions

4.1. General Operation Procedures

This section is not applicable to these works.

4.2. Emergency Conditions

This section is not applicable to these works.



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Maintenance, Fault Finding & Recommended Spares

5.1. Cleaning & Maintenance Instructions

Product Description	Maintenance Task	How to Carry Out Task	Task Frequency	Further Information
Axter Maintenance Guide	Cleaning	Please refer to Axter Maintenance Guide	Monthly	Refer to axter Maintenance guide

5.2. Fault Finding

This section is not applicable to these works.

5.3. Recommended Spares

This section is not applicable to these works.



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Testing & Sign Off Certificates

6.1. Material / Product Conformity Sheets

Document Reference	Document Title
6.1.1	Axter Guarantee to be forwarded when complete

6.2. Installation & Handover Certification

Document Reference	Document Title
6.2.1	678 Report Package; CS;Manchester; V1; Craig Chaplin; NRA; 9th Dec 22 22
6.2.2	678a Report Package; CS;Manchester; V2; Craig Chaplin; NRA; 24th Jan 23
6.2.3	678b Report Package; CS;Manchester; V3; Craig Chaplin; NRA; 3rd Feb 23
6.2.4	678c Report Package; CS;Manchester; V4; Craig Chaplin; NRA; 3rd March 23
6.2.5	678d Report Package; CS;Manchester; V5; Craig Chaplin; NRA; 25th March 23
6.2.6	678e Report Package; CS;Manchester; V6; Craig Chaplin; NRA; 12th April 23
6.2.7	678f Report Package; CS;Manchester; V7; Craig Chaplin; NRA; 20th April 23
6.2.8	678g Report Package; CS;Manchester; V8; Craig Chaplin; NRA; 3rd May 23
6.2.9	678h Report Package; CS;Manchester; V9; Craig Chaplin; NRA; 25th May 23



7.1. Schedules

This section is not applicable to these works.

7.2. Drawings

Drawing Number	Document Title
Z2-NRA-G240-DE-GRD-001	Typical Blue Roof Section Detail
Z2-NRA-G240-DE-GRD--003	Skirting Upstand (Non-Insulated)
Z2-NRA-G240-DE-GRD--004	Typical Parapet Outlet
Z2-NRA-G240-DE-GRD--005	Typical Overflow Pipe Outlet
Z2-NRA-G240-DE-GRD--006	Typical Vertical Rainwater Outlet
Z2-NRA-G240-DE-GRD--007	Cold Pipe Penetration
Z2-NRA-G240-DE-GRD--008	Hotpipe Penetration
Z2-NRA-G240-DE-GRD--009	Diffuser Chamber to Hard Bed Layer
Z2-NRA-G240-DE-GRD--010	Typical Manhole Cover Vertical Drainage
Z2-NRA-G240-DE-GRD--011	Typical Vehicle Access
Z2-NRA-G240-DE-GRD--012	Detail L1 Ground Floor Abutment Detail
Z2-NRA-G240-DE-GRD-013	Vertical Detail Ground Floor Stick Facade Door, North Side
Z2-NRA-G240-DE-GRD-014	Vertical Detail Ground Floor Stick Facade Door, West Side
Z2-NRA-G240-DE-GRD-015	Aquamodul Layout
Z2-NRA-G240-DE-GRD-016	Change In Level
Z2-NRA-G240-DE-GRD-018	Cycle Lane Upstand Detail
Z2-NRA-G240-DE-GRD-019	Change In Blue Roof Level