11875-SP01-Whitworth Locke-Outline Specification / Method Statement – Rev.A
(provided by Nordic Specialist Cleaning & Coatings, 23/06/2025)

Please find below the full specification and methodology to support the Listed Building Consent (LBC) application for the proposed use of graffiti removal and protective coating systems on the Locke Living property. This includes all three products: Nordic Pro Gel, Shadow Remover, and the Nordic Sacrificial Coating. We have also addressed environmental considerations due to the site's proximity to a canal.

A) Graffiti Removal System – Nordic Pro Gel
Description:
- A professional, viscous graffiti remover developed for masonry and other porous vertical surfaces.
- Clear, non-caustic gel formulation with >30% benzyl alcohol as the active component.
- Designed for targeted removal to avoid run-off and damage to sensitive substrates.

Application Procedure:
1. Apply to dry or slightly damp surfaces using a brush or roller.
2. Allow a dwell time of 10–20 minutes.
3. Lightly agitate if necessary using a soft nylon brush.
4. Rinse with low-pressure hot water (60–90°C, 80–90 bar).

Conservation & Environmental Notes:
- Safe for historic masonry: non-acidic and solvent-balanced.
- Low risk of substrate staining or alteration.
- Minimal run-off due to gel consistency, which is especially important near open water.
- All cleaning should be carried out using a water capture system or wet vacuum to prevent discharge into the adjacent canal.

B) Shadow Residue Treatment – Nordic Shadow Remover
Description:
- A follow-up cleaning agent used to eliminate any residual staining ("ghosting" or shadows) left behind after graffiti removal.
- Formulated for historic substrates, with low solvent content and mild surfactants.

Application Procedure:
1. After graffiti has been removed with Pro Gel, apply Shadow Remover by brush or spray to the affected area.
2. Allow to dwell for 10–15 minutes.
3. Rinse thoroughly using hot water pressure washing (same parameters: 60–90°C, 80–90 bar).
4. Repeat if needed for stubborn staining.

Conservation & Environmental Notes:
- Intended for use following initial graffiti removal to restore the visual integrity of the masonry.
- Designed for minimal surface intrusion and contains no strong acids or abrasives.
- Again, ensure all runoff is managed appropriately, particularly to avoid contamination of canal water.

C) Protective Coating – Nordic Sacrificial Coating (Code 564)
Description:
- A self-emulsifiable, wax-based sacrificial coating that forms a transparent, breathable film over masonry surfaces.
- Invisible when applied – it does not alter the appearance or texture of historic brick or stone.
- Free from silicones, fluoropolymers, and solvents. VOC-free and environmentally compliant.

Application Procedure:
1. Ensure the surface is fully dry and clean (or slightly damp if recently washed).
2. Apply neat (undiluted) using a low-pressure sprayer or brush.
3. Apply two coats, allowing 3–4 hours drying time between coats.
4. Do not apply in temperatures below 5°C.

Removal (When Tagging Occurs):

- Coating is removed using a hot water pressure washer at 90°C, 80–90 bar, simultaneously removing any graffiti.
- The surface can then be recoated after drying.

Conservation & Environmental Notes:

- Breathable: allows water vapour transmission, preventing moisture trapping in masonry.
- Will not change surface colour or finish.
- As a sacrificial coating, it is removed entirely during cleaning – a fresh coat should be reapplied.
- Environmentally: biodegradable, no harmful runoff components, but water runoff should still be managed responsibly, especially due to the site's canal-side location.

Environmental Protection Measures – Due to Canal Proximity

Because of the close proximity to a watercourse, the following mitigation and compliance measures should be included in the methodology:

- No direct discharge of water or chemical runoff into the canal is permitted.
- Use of wet vacuums, collection trays, or bunded work areas to capture wastewater will be recommended.
- Use of low-pressure, targeted cleaning techniques reduces the potential for overspray or uncontrolled runoff.
- All products are biodegradable and low in VOCs, minimising ecological risk when managed correctly.

Rev. A Update 22/07/2025:

Coatings:

Please find below our final, revised method statement and response addressing all points raised, with updated product classifications and environmental protocols following full review of the relevant safety data sheets (MSDS).

1. Trial Testing on the Building

We confirm that no product trials have been conducted on the Locke Living property to date. However, we are fully prepared to carry out a on-site trial, which we welcome being secured as a planning condition.
Please note these products have been used successfully on:

- The Police Museum (Listed Building)
- The Craft & Design Building (Listed Building)
- The Reach Hotel and Slate Wharf – both adjacent to canals
  (Work at The Reach was approved by the Canal & River Trust and completed using the same containment methodology proposed here.)

2. Updated Product List and Classifications

Product	Use	CLP Hazard Classification
Pro Gel	Primary graffiti remover	H319 (Eye Irritation Cat. 2), H412 (Aquatic Chronic Cat. 3)
Pro Liquid	Penetrating graffiti remover	H315 (Skin Irritant), H317 (Sensitiser), H411 (Aquatic Chronic Cat. 2)
Shadow Remover	Ghosting/stain remover	H302 (Harmful if swallowed), H314 (Skin Corrosive Cat. 1A)
Sacrificial Coating	Protective breathable coating	Classified as *"Inherently Biodegradable"* under EU/OECD definitions; solvent-free

3. Revised Method Statement

Cleaning (Pro Gel / Pro Liquid / Shadow Remover)

1. Apply Pro Gel or Pro Liquid to the affected surface with a brush or controlled sprayer.
2. Allow a dwell time of 10–20 minutes.
3. Agitate gently with non-abrasive brushes.
4. Wash thoroughly with hot water (90°C).

5. For residual staining ("ghosting"), apply Shadow Remover:
    - Applied in minimal quantities by trained operatives wearing full PPE (due to corrosive classification).
    - After appropriate dwell time, rinse with hot water under full containment (see below).

Coating (Nordic Sacrificial Coating)

- Apply 2 coats using low-pressure spray or brush.
- Allow 3–4 hours between coats.
- Coating is transparent and permeable.
- Removal (if graffiti returns) is via hot water pressure wash only — no chemicals are used.

4. Wastewater Containment & Environmental Protection

Given the site's canal proximity, we will implement robust control measures to prevent chemical runoff:

- Bunded containment trays and absorbent cushions will be placed around all cleaning areas.
- A designated operative will actively sweep away any runoff.
- No runoff or cleaning water will enter drains or the canal.

These methods have been approved by the Canal & River Trust on past projects such as The Reach Hotel.

5. Ecological & Chemical Impact

We appreciate the need for accurate terminology regarding ecological risks. The updated product summary includes only legal classifications:

- Shadow Remover contains Potassium Hydroxide and Monoethanolamine, both of which are corrosive and toxic to aquatic life. It is applied in small, controlled areas only, and waste is never discharged to the environment.
- Pro Liquid contains citrus terpenes and dipentenes with H411 classification (toxic to aquatic life with long-lasting effects). Its use will follow the same strict containment.
- Sacrificial Coating is legally classified as "Inherently Biodegradable".
- We have removed all unqualified references to "biodegradable" from our language in line with OECD/EU standards.

6. Summary of Queries & Our Final Responses

Your Concern	Our Response
Have trials been carried out on this building?	No – but we are willing to do so. We welcome a trial being conducted.
How will wastewater and chemical runoff be contained?	Bunded trays, absorben cushions, and on-site operative monitoring; no runoff enters watercourses or drains.
How will the waste from cleaning/removal be handled or disposed of?	Water run off will swept away from the canal and will dry into earth. No staining will be left.
What are the ecological risks of the products?	Full classification provided. Only "inherently biodegradable" is used where legally supported.

END.