



Specification for the Removal of Spray Foam Insulation

Barrowhill Farm, Henfield, West Sussex

Planning Application Ref. DC/25/1931

Condition 4F

DRAFT

on Behalf of

Mr & Mrs Hayward

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1. Scope of Works

The works comprise the careful removal of existing spray foam insulation applied to the underside of the roof covering and associated roof timbers within the listed building. All works shall be undertaken in accordance with conservation best practice and shall preserve the historic fabric, character and significance of the building.

2. Heritage Requirements

The building contains historic roof timbers exhibiting evidence of smoke blackening and associated historic surface deposits, together with surviving wattle and daub infill panels. These elements form part of the building's special architectural and historic interest and shall be retained undisturbed.

The Contractor shall ensure that no works result in the loss, damage, abrasion, cleaning, contamination or alteration of:

- Historic smoke-blackened timber surfaces.
- Historic tool marks, carpenters' marks and surface finishes.
- Wattle and daub panels, including daub coatings, laths, wattle work and associated historic repairs.
- Any other historic fabric concealed or revealed during the works.

3. Method of Removal

Spray foam insulation shall be removed manually using hand tools only. The use of mechanical breakers, grinders, power scrapers, abrasive cleaning techniques, high-pressure air systems, water washing, chemical solvents or any method liable to damage historic fabric shall not be permitted.

Removal shall be undertaken progressively in small sections to allow continuous monitoring of the condition of the underlying historic fabric.

The Contractor shall carefully separate the foam from timber surfaces wherever practicable. Any residual material firmly adhered to historic surfaces shall be assessed on a case-by-case basis with the Contract Administrator and Conservation Officer before further removal is attempted.

4. Protection of Historic Timbers

Particular care shall be exercised where spray foam is bonded to smoke-blackened timbers.

The historic smoke-blackened surfaces shall be regarded as archaeologically significant deposits. No scraping, sanding, wire brushing, chemical cleaning or other treatment affecting these deposits shall be undertaken.

Removal shall cease where further works would result in loss of significant historic fabric, smoke-blackened surfaces or archaeological evidence. Any such areas shall

be recorded and referred to the Contract Administrator and Local Planning Authority Conservation Officer for instruction

The objective shall be the maximum retention of historic surface evidence rather than the complete removal of all traces of foam insulation.

5. Protection of Wattle and Daub Panels

All surviving wattle and daub panels shall be protected throughout the works.

No cutting, levering, impact, vibration or loading shall be applied to wattle and daub panels.

Where spray foam extends onto or behind wattle and daub panels, removal methods shall be reviewed and agreed before commencement in those locations.

Any signs of cracking, detachment, movement or deterioration of the panels shall be reported immediately and works in that area shall cease pending inspection.

6. Recording and Monitoring

Prior to commencement, a photographic record shall be made of all accessible roof timbers, smoke-blackened surfaces and wattle and daub panels.

Further photographs shall be taken during and following removal to document the condition of the historic fabric and any previously concealed features revealed by the works.

Any evidence of historic construction techniques, carpenters' marks, medieval or post-medieval fabric, or other features of archaeological interest shall be reported immediately and retained in situ.

7. Supervision

The works shall be undertaken by contractors experienced in conservation work to historic buildings and the removal of spray foam insulation from heritage structures.

The Contract Administrator reserves the right to require trial areas to be undertaken and approved before full commencement of the works.

8. Completion

Upon completion, all waste spray foam and associated debris shall be removed from site.

The exposed roof structure shall be left clean and dry, with all historic timbers, smoke-blackened surfaces and wattle and daub panels preserved intact and free from damage.

No repairs, cleaning, coatings, preservatives or treatments shall be applied to the historic fabric unless separately specified and approved in writing.

Note - All works must be carried out in accordance with BS 7913:2013 Guide to the Conservation of Historic Buildings and Historic England guidance on spray foam insulation in historic roof structures.