

Barford Inn Boundary Wall Specification.

We propose to make good the end of the existing cob wall to allow for a clean vertical expansion joint at the point of repair using existing cob and lime work.

The section of wall to be rebuilt will consist of a new concrete foundation, The wall is to be constructed in concrete block to the width of the existing cob allowing for an expansion joint of (12-15mm) at both ends.

We will add a length of the compressible foam filler material into the depth of the joint.

The cob wall will be tied to the new block work using stainless steel Helifix rods in a sleeve allowing expansion but retaining strength. This joint will then consist of a plastic render bead to maintain a clean vertical joint with an exterior flexible sealer to seal the joint and match the render colour.

The wall capping will be removed and replaced like for like using timber A-Frame trusses with a slate finish as existing.

To avoid the visual impact of ghosting, we will allow ample time for the blockwork to dry before rendering.

A preparatory coat, such as a spatterdash or a proprietary bonding agent will be applied to help even out the absorbency of the background and provide a consistent surface for the render to adhere to.

We will ensure the render is applied at the minimum recommended thickness (typically 15mm-20mm depending on exposure) to mask the joints effectively.

We will Apply the render in multiple layers (e.g., a scratch coat and a top coat), with proper drying time between each to help to build up sufficient thickness and reduce the effect of differential suction.

We will apply a layer of fiberglass reinforcing mesh into the basecoat layer. This will add strength and flexibility to the render system, significantly reducing the likelihood of hairline cracks and ghosting caused by minor structural movement or temperature shifts.

Lime render mix ratio to be as follows-

Base Coat - 3.5 parts sand to 1 part (NHL2)

Top Coat - 3 parts washes sand to 1 part (NHL2)