

Minor amendments to Listed Building Consent P233015/L required.

For the Thermalite panels which were to be replaced with Pavaflex wood fibre board infill panel, we find a preferred solution which will be more sustainable and insulating, while allowing breathability – Hempcrete infill.

For the windows – White frames would help retain the existing appearance of the cottage, and a material change for the windows from Oak to Idigbo hardwood will allow the frames to be painted.

Introduction to Hempcrete:

Consists - Hemp Shiv + Hydraulic Lime Binder + Pozzolans

Hempcrete is a vapour permeable material, the hemp shiv is a hard cellulose material very similar to timber, and so it controls moisture on a similar rate to existing wooden elements, preventing a build-up of moisture against vulnerable historic buildings.

The embodied carbon credentials of hempcrete are excellent. It is carbon negative, as for every cubic metre of hempcrete installed into a building at least 110 kg of carbon are locked up for the lifetime of the building. The material is non-toxic and forms an ideal substrate for lime renders.