

Water exclusion strategy for the proposed extension and garage block

19 ISLAND ROAD READING RG2 0RP

The design water depth adopted is for 0,3m for risk level Zone 2 and 3

The design is based on guidelines from the Environment Agency.

The outer leaf brickwork below ground and up to dpc level will be constructed in Class A engineering brickwork.

The inner leaf blockwork below ground and up to the dpc will be constructed in 7,0 N concrete blocks

A clear cavity of at least 225 will be provided below the dpc levels at inner and outer leafs

Both inner and outer leafs will be constructed using a cement mortar mix 1:3

The concrete blocks below ground will be sealed with an impermeable material to prevent water movement from below the ground to the wall construction

The concrete foundation strip will be constructed on a suitable ground bearing strata and approved by LA building control

The floor will be a simply supported concrete floor slab with min thickness 150 on well compacted and blinded hard core, the concrete floor slab will be reinforced with suitable steel mesh as per BS8103:1:2011

The floor insulation will be a rigid closed cell material on 1200g poly dpm to minimise damage, overlaps will be at least 300, and joints will be sealed with mastic tape, the membrane should not be stretched.

Floor finishes should be ceramic or concrete floor tiles on sand and cement screed, the tiles should be bedded on cement based adhesive, and waterproof grout to be used.

MATTHEW VOKES (applicant)

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