renlon

CASE STUDY

RICHMOND

Gas membrane and basement waterproofing, Richmond

A combined ground gas and waterproofing design for new homes with basements on a former garage site.

LOCATION
Richmond

SECTOR
Residential

CLIENT
Private new build

SITE
Former car maintenance garage

SYSTEM USED
MemTech liquid gas barrier + Type C

SERVICES
Ground Gas Protection, Type C Cavity Drain Membranes

THE CHALLENGE

The site was contaminated with ground gases from its previous use, and four new homes with basements were planned.

WHAT WE DID

- Phase 1: Koster Polysil TG 500 primer, then two coats of MemTech Pro liquid gas barrier to the basement floors and walls, reinforced with MemTech Flexi Tape at the channels. Tested and verified before the next phase.
- Phase 2: Type C cavity drainage with BBA-certified Delta MS 20 floor and MS 500 wall membranes, Delta Channel drainage and access ports every 10 m.
- Designed to BS 8485:2015+A1:2019, CIRIA and BR211 guidance.

THE RESULT

The technician verifying the gas membrane was “incredibly impressed with Renlon’s specification and installation”.

020 8687 4000 · survey@renlon.com
Renlon Ltd, Unit 12, Boundary Business Court,
Church Road, Mitcham CR4 3TD