



CIRIA 735 Visual Inspection of Gas Protection Measures

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Remada

Site Name: Lidl Wrexham	Gas Characteristic Situation: 1 – 2 Basic Radon Protection Measures
Remada Job No: 525.05	Type of Development & Building / Block Checked: Ground Bearing Floor Slab.
Date: 09.03.2021	Building Description: New Build Construction.
Visit By: P Dickinson	Gas Protection Type: Passive

No.	Item	Comments
1 Gas Membrane		
1.1	Condition of subgrade and underside of gas membrane	150mm Type 1 subgrade material installed, with membrane laid on top.
1.2	Gas membrane type	Corden EP S2000
1.3	Gas membrane condition	No visible tears or damage where visible.
1.4	Joint tape product	Double sided joint tape.
1.5	Lapping design	Overlap approximately 100mm to give 200mm seal.
1.6	Laps, welds and joints seals	Visible entries through floor slab have been sealed.
1.7	Service entries seals	
2 Passive Venting		
2.1	Sub-floor void	N/A
2.2	External wall airbricks	N/A
2.3	Internal sleeper wall	N/A
2.4	External vent trenches / duct	N/A
3 Active Venting		
3.1	System details	Not required

The membrane was initially inspected by Remada on 19th February 2021 and reported upon in our Visual Inspection of letter (ref: 525.05.02) of 25th February 2021. During this initial visit, the membrane was in the process of being laid and a series of issues were still required to be resolved, including the need for top hat covers and repairs to the membrane. The site manager has since provided a series of photographs to show these repairs and these are reproduced below. A Remada Engineer visited the site on 25th February 2021, but the concrete floor slab had already been poured.



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No	Photograph	Description
1		View from the entrance across the length of the store dated 22nd February 2021. The installed top-hat covers for the service entries are prominent and patches taped in around the base. (Source: Braithwaites)
2		Detailed view of one of the service entries on 21st February 2021, showing the installed patch for the service entries taped up around the base. (Source: Braithwaites)



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Close-up of one of the column bases on 23rd February 2021, showing the metal mesh installed prior to concrete pouring.

(Source: Braithwaites)

4



View across the store footprint showing the newly poured concrete floor slab on 24th February 2021.

(Source: Braithwaites)



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View taken by Remada's Engineer during a site visit on the morning of 25th February 2021. Pouring of the concrete floor slab within the store footprint has been completed.

The gas protection measures
inspected

- a. Acceptable and comply with the specification
- ~~b. Are acceptable but attention is drawn to issues related to item Nos 1-6 (after completion of repairs)~~
- ~~c. Are not acceptable due to the issues related to item(s) No.~~

Name: Peter Dickinson

Signature:

P. Dickinson

Date: 09.03.2021