



ROT 27

Gas Protection - Validation Record Sheet

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot 29, Block 10

Inspection date:	18/8/17	Weather:	SUNNY + SHOWERS	Inspected by:	ANDY LONGDEN	Company:	KIER LIVING
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	—					
1.2	External Wall Venting – cranked vent spacing	—					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	FLOOR SLAB - STAGE 2					
2.2	Condition of sub-grade & underside of gas membrane	FLOOR BRUSHED, ALL TAPES APPLIED WELL AND SEALED TO A GOOD QUALITY					
2.3	Gas membrane type	BLACK RADBAR					
2.4	Gas membrane condition and coverage	GOOD, SEALED ON ALL FOUR SIDES					
2.5	Jointing tape product	RADBAR DOUBLE-SIDED TAPE					
2.6	Lapping tape product	RADBAR ULTRA LAPPING TAPE (SILVER)					
2.7	Condition of joints/seals	VISIBLE OVERLAPS, ALL GOOD					
2.8	Number and condition of service entry seals	ALL OK, 3 N° TOPHATS WITH JUBILEE CLIPS - ALL TAPES CHECKED					
2.9	Membrane steps/corner seals	NONE					
2.10	Repairs or Corrections:	NONE VISIBLE					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance. Signed:  Dated: 18/8/17 Photographs witnessed and approved by Coopers: Signed:  Dated: 18/8/17					
3.1	Internal Venting Pipes Spacing	—					
3.2	External Cranked Vents Spacing	—					
3.3	Sub Floor Void	✓					
3.4	Membrane Overview	✓					
3.5	Overlaps	✓					
3.6	Comers	✓					
3.7	Services	✓					
3.8	Product Types/Labels	✓					

For Residential Development at New Church Street, Radcliffe.



KIER

PLOT 29







210729







PLOT
29



Gas Protection - Validation Record Sheet

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot 30, Block 10

Inspection date:	18/8/17	Weather:	SUNNY + SHOWERS	Inspected by:	ANDREW LONGDEN	Company:	KIER LIVING
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	—					
1.2	External Wall Venting – cranked vent spacing	—					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	FLOOR SLAB - STAGE 2					
2.2	Condition of sub-grade & underside of gas membrane	FLOOR BRUSHED, ALL TAPES APPLIED WELL AND SEALED TO A GOOD QUALITY					
2.3	Gas membrane type	BLACK RADBAR					
2.4	Gas membrane condition and coverage	GOOD, SEALED ON ALL FOUR SIDES					
2.5	Jointing tape product	RADBAR DOUBLE-SIDED TAPE					
2.6	Lapping tape product	RADBAR ULTRA LAPPING TAPE (SILVER)					
2.7	Condition of joints/seals	ALL GOOD, VISIBLE OVERLAPS					
2.8	Number and condition of service entry seals	3 NO TOPHATS WITH SUBILEE CLIPS - ALL TAPES CHECKED AND OK					
2.9	Membrane steps/corner seals	NONE					
2.10	Repairs or Corrections:	NONE VISIBLE					
3) Photograph Check List – Tick to Confirm – Refer to Examples			I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.				
3.1	Internal Venting Pipes Spacing	—	Signed: 		Dated: 18/8/17		
3.2	External Cranked Vents Spacing	—					
3.3	Sub Floor Void	✓	Photographs witnessed and approved by Coopers:				
3.4	Membrane Overview	✓					
3.5	Overlaps	✓	Signed: 				
3.6	Corners	✓					
3.7	Services	✓	Dated: 18/8/17				
3.8	Product Types/Labels	✓					

For Residential Development at New Church Street, Radcliffe.

The KIER logo, featuring a stylized 'K' in blue and red followed by the word 'KIER' in black capital letters.

PLOT 30



Plot
30



PLOT
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HAWAII
Sample 3000
10/1/2000









Gas Protection - Validation Record Sheet

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot 31, Block 10

Inspection date:	18/8/17	Weather:	SUNNY + SHOWERS	Inspected by:	ANDY LONGDEN	Company:	KIER LIVING
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	—					
1.2	External Wall Venting – cranked vent spacing	—					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	STAGE 2, FLOOR SLAB					
2.2	Condition of sub-grade & underside of gas membrane	ALL TAPES APPLIED WELL AND SEALED TO A GOOD QUALITY – FLOOR BRUSHED					
2.3	Gas membrane type	BLACK RADBAR					
2.4	Gas membrane condition and coverage	GOOD, SEALED ON ALL FOUR SIDES					
2.5	Jointing tape product	RADBAR DOUBLE-SIDED TAPE					
2.6	Lapping tape product	RADBAR ULTRA LAPPING TAPE (SILVER)					
2.7	Condition of joints/seals	VISIBLE OVERLAPS, ALL GOOD					
2.8	Number and condition of service entry seals	ALL OK, 3 NO TOPWATS WITH SUBILEE CLIPS – ALL TAPES CHECKED					
2.9	Membrane steps/corner seals	NONE					
2.10	Repairs or Corrections:	NONE VISIBLE					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance. Signed:  Dated: 18/8/17 Photographs witnessed and approved by Coopers: Signed:  Dated: 18/8/17					
3.1	Internal Venting Pipes Spacing						
3.2	External Cranked Vents Spacing	✓					
3.3	Sub Floor Void	✓					
3.4	Membrane Overview	✓					
3.5	Overlaps	✓					
3.6	Corners	✓					
3.7	Services	✓					
3.8	Product Types/Labels	✓					

For Residential Development at New Church Street, Radcliffe.



PLOT 31









PLOT
31











One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot 32, Block 11

Inspection date:	1/8/17	Weather:	DRY, OVERCAST	Inspected by:	DAVE BARNES	Company:	KIER LIVING
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	—					
1.2	External Wall Venting – cranked vent spacing	—					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	STAGE 2 – FLOOR SLAB					
2.2	Condition of sub-grade & underside of gas membrane	GOOD QUALITY, BRUSHED FLOOR, TAPE APPLIED WELL AND SEALED					
2.3	Gas membrane type	BLACK RADBAR					
2.4	Gas membrane condition and coverage	GOOD SEALED ON ALL FOUR SIDES					
2.5	Jointing tape product	RADBAR DOUBLE-SIDED TAPE					
2.6	Lapping tape product	RADBAR ULTRA LAPPING TAPE					
2.7	Condition of joints/seals	GOOD – OVERLAP VISIBLE					
2.8	Number and condition of service entry seals	GOOD, TAPE CHECKED, ALL JUBILEE CLIPS VISIBLE – 3 N. TOP HATS					
2.9	Membrane steps/corner seals	NONE					
2.10	Repairs or Corrections:	NONE VISIBLE					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.					
3.1	Internal Venting Pipes Spacing	—		Signed: 	Dated: 1/8/17		
3.2	External Cranked Vents Spacing	—					
3.3	Sub Floor Void	—		Photographs witnessed and approved by Coopers:	Dated: 4-8/17		
3.4	Membrane Overview	✓					
3.5	Overlaps	✓		Signed: 	Dated: 4-8/17		
3.6	Corners	✓					
3.7	Services	✓					
3.8	Product Types/Labels	✓					

For Residential Development at New Church Street, Radcliffe.



566499
MANCHESTER NORTH

ROCKWOOL
ROCKWOOL

PLOT 32

Plot 32





PLOT 32



Plot 32



P10632



One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot 34, Block 11

Inspection date:	1/8/17	Weather:	DRY, OVERCAST	Inspected by:	DAVE BARNES	Company:	KIER LIVING
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	—					
1.2	External Wall Venting – cranked vent spacing	—					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	STAGE 2, FLOOR SLAB					
2.2	Condition of sub-grade & underside of gas membrane	GOOD, FLOOR BRUSHED AND TAPES APPLIED WELL AND SEALED					
2.3	Gas membrane type	BLACK RADBAR					
2.4	Gas membrane condition and coverage	GOOD, SEALED ON ALL SIDES					
2.5	Jointing tape product	RADBAR DOUBLE-SIDED TAPE					
2.6	Lapping tape product	RADBAR ULTRA LAPPING TAPE (SILVER)					
2.7	Condition of joints/seals	GOOD, OVERLAPS VISIBLE					
2.8	Number and condition of service entry seals	ALL GOOD, 3 NO TOP HATS WITH SUBILEE CLIPS. TAPES CHECKED.					
2.9	Membrane steps/corner seals	NONE					
2.10	Repairs or Corrections:	NONE VISIBLE.					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.					
3.1	Internal Venting Pipes Spacing	—		Signed: <u>DS Barnes</u>	Dated: <u>1/8/17</u>		
3.2	External Cranked Vents Spacing	—					
3.3	Sub Floor Void	✓		Photographs witnessed and approved by Coopers:			
3.4	Membrane Overview	✓					
3.5	Overlaps	✓		Signed: <u>SS</u>	Dated: <u>4/8/17</u>		
3.6	Corners	✓					
3.7	Services	✓					
3.8	Product Types/Labels	✓					

For Residential Development at New Church Street, Radcliffe.



Plot 34

Plot 34

Plot 34







One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot 35, Block 11

Inspection date:	1/2/17	Weather:	DRY, OVERCAST	Inspected by:	DAVE BARNES	Company:	KIER LIVING
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	—					
1.2	External Wall Venting – cranked vent spacing	—					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	STAGE 2, FLOOR SLAB					
2.2	Condition of sub-grade & underside of gas membrane	GOOD QUALITY, BRUSHED FLOOR, TAPE APPLIED WELL AND SEALED.					
2.3	Gas membrane type	BLACK RADBAR					
2.4	Gas membrane condition and coverage	GOOD, SEALED ON ALL FOUR SIDES.					
2.5	Jointing tape product	RADBAR DOUBLE-SIDED TAPE					
2.6	Lapping tape product	RADBAR ULTRA LAPPING TAPE (SILVER)					
2.7	Condition of joints/seals	GOOD, OVERLAPS VISIBLE					
2.8	Number and condition of service entry seals	ALL GOOD, 3 NO. TOP HATS WITH SUBILES CLIPS, TAPES CHECKED.					
2.9	Membrane steps/corner seals	NONE.					
2.10	Repairs or Corrections:	NONE VISIBLE					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.					
3.1	Internal Venting Pipes Spacing	—		Signed: 	Dated: 1/2/17		
3.2	External Cranked Vents Spacing	—					
3.3	Sub Floor Void	✓		Photographs witnessed and approved by Coopers:	Dated: 4/8/17		
3.4	Membrane Overview	✓					
3.5	Overlaps	✓		Signed: 			
3.6	Corners	✓					
3.7	Services	✓					
3.8	Product Types/Labels	✓					

For Residential Development at New Church Street, Radcliffe.



Plot 33

Plot 35





P10t33



Gas Protection - Validation Record Sheet

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

6654 Plot 37, Block 12

Inspection date:	17/10/17	Weather:	DRY + SUNNY	Inspected by:	DAVE BARNES	Company:	KIER LIVING
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	—					
1.2	External Wall Venting – cranked vent spacing	—					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	STAGE 2 – FLOOR SLAB					
2.2	Condition of sub-grade & underside of gas membrane	FLOOR BRUSHED AND ALL TAPES APPLIED WELL SEALED TO A GOOD QUALITY					
2.3	Gas membrane type	RADBAR-BLACK					
2.4	Gas membrane condition and coverage	SEALED ON ALL FOUR SIDES – ALL GOOD					
2.5	Jointing tape product	DOUBLE SIDED RADBAR TAPE					
2.6	Lapping tape product	RADBAR UGRA LAPPING TAPE (SILVER)					
2.7	Condition of joints/seals	VISIBLE OVERLAPS, ALL GOOD					
2.8	Number and condition of service entry seals	3 NO TOPHATS FITTED WITH JUBILEE CLIPS, TAPES CHECKED, ALL OK					
2.9	Membrane steps/corner seals	NONE					
2.10	Repairs or Corrections:	1 NO REPAIR BY FRONT DOOR. USED 300mm WIDE RADBAR SIA DETAIL STRIP x 20m					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.					
3.1	Internal Venting Pipes Spacing	=		Signed: <u>DT Barnes</u>		Dated: <u>17/10/17</u>	
3.2	External Cranked Vents Spacing	=					
3.3	Sub Floor Void	✓		Photographs witnessed and approved by Coopers:			
3.4	Membrane Overview	✓					
3.5	Overlaps	✓		Signed: <u>SW</u>			
3.6	Corners	✓					
3.7	Services	✓					
3.8	Product Types/Labels	✓		Dated: <u>17/10/17</u>			

For Residential Development at New Church Street, Radcliffe.



KIER

PLOT 37

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PLOT 37





PLOT
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PLOT

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PLOT
37





One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

6654 Plot 38 Block 13

Inspection date:	17/10/17	Weather:	DRY + SUNNY	Inspected by:	DAVE BARNES	Company:	KIER LIVING
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	—					
1.2	External Wall Venting – cranked vent spacing	—					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	STAGE 2 - FLOOR SLAB					
2.2	Condition of sub-grade & underside of gas membrane	SEALED TO A GOOD QUALITY, TAPES APPLIED WELL. FLOOR SWEEP CLEAN					
2.3	Gas membrane type	RADBAR-BLACK					
2.4	Gas membrane condition and coverage	ALL OK, SEALED ON ALL FOUR SIDES					
2.5	Jointing tape product	DOUBLE SIDED RADBAR TAPE					
2.6	Lapping tape product	RADBAR ULTRA LAPPING TAPE (SILVER)					
2.7	Condition of joints/seals	ALL GOOD, VISIBLE OVERLAPS					
2.8	Number and condition of service entry seals	3 NO TOPHATS WITH SUBILEE CLIPS - ALL TAPED UP TO A GOOD STANDARD					
2.9	Membrane steps/corner seals	NONE					
2.10	Repairs or Corrections:	NONE VISIBLE					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.					
3.1	Internal Venting Pipes Spacing	—		Signed: DS Barnes		Dated: 17/10/17	
3.2	External Cranked Vents Spacing	—					
3.3	Sub Floor Void	✓					
3.4	Membrane Overview	✓					
3.5	Overlaps	✓		Photographs witnessed and approved by Coopers:			
3.6	Corners	✓		Signed: [Signature]		Dated: 17/10/17	
3.7	Services	✓					
3.8	Product Types/Labels	✓					

For Residential Development at New Church Street, Radcliffe.

PLOT 38

PLOT
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PLOT 38



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PLOT

Plot 38





PLOT 38

Gas Protection - Validation Record Sheet

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

6654 Plot 39- Block 13

Inspection date:	17/10/17	Weather:	FINE + DRY	Inspected by:	DAVE BARNES	Company:	KIER LIVING
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	—					
1.2	External Wall Venting – cranked vent spacing	—					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	FLOOR SLAB - STAGE 2					
2.2	Condition of sub-grade & underside of gas membrane	SEALED TO A GOOD QUALITY AND FLOOR SWEEP CLEAN. TAPES APPLIED WELL					
2.3	Gas membrane type	RADBAR-BLACK					
2.4	Gas membrane condition and coverage	ALL OK, SEALED ON ALL FOUR SIDES					
2.5	Jointing tape product	DOUBLE SIDED RADBAR TAPES					
2.6	Lapping tape product	RADBAR UTRA LAPPING TAPE (SILVER)					
2.7	Condition of joints/seals	ALL GOOD, VISIBLE OVERLAPS					
2.8	Number and condition of service entry seals	3 NO. TOPHATS FITTED WITH SUBILEE CLIPS, TAPES CHECKED, ALL OK.					
2.9	Membrane steps/corner seals	NONE.					
2.10	Repairs or Corrections:	2 PUNCTURES - REPAIRED USING 300x20mm RADBAR S/A DETAIL STRIP					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.					
3.1	Internal Venting Pipes Spacing	—					
3.2	External Cranked Vents Spacing	—					
3.3	Sub Floor Void	✓					
3.4	Membrane Overview	✓					
3.5	Overlaps	✓					
3.6	Corners	✓					
3.7	Services	✓					
3.8	Product Types/Labels	✓					
		Signed: <u>DS Barnes</u>		Dated: 17/10/17			
		Photographs witnessed and approved by Coopers:		Signed: <u>17/10/17</u>		Dated: <u>28</u>	

For Residential Development at New Church Street, Radcliffe.



PLOT 39



PLOT
39#



Plot 39



PLOT 39



One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Job No. 6654 PLOT 40 - BLOCK 13

Inspection date:	<u>17/10/17</u>	Weather:	<u>FINE + SUNNY</u>	Inspected by:	<u>DAVE BARNES</u>	Company:	<u>KIER LIVING</u>
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes - size and spacing	<u>—</u>					
1.2	External Wall Venting - cranked vent spacing	<u>—</u>					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	<u>STAGE 2 - FLOOR SLAB</u>					
2.2	Condition of sub-grade & underside of gas membrane	<u>FLOOR BRUSHED AND ALL TAPES APPLIED WELL. SEALED TO A GOOD QUALITY</u>					
2.3	Gas membrane type	<u>RADBAR - BLACK</u>					
2.4	Gas membrane condition and coverage	<u>SEALED ON ALL FOUR SIDES - ALL GOOD</u>					
2.5	Jointing tape product	<u>DOUBLE SIDED RADBAR TAPE</u>					
2.6	Lapping tape product	<u>RADBAR ULTRA LAPPING TAPE (SILVER)</u>					
2.7	Condition of joints/seals	<u>VISIBLE OVERLAPS, ALL GOOD</u>					
2.8	Number and condition of service entry seals	<u>3 NO. TOPHATS FITTED WITH SUBILEE CLIPS, TAPES CHECKED, ALL OK.</u>					
2.9	Membrane steps/corner seals	<u>NONE.</u>					
2.10	Repairs or Corrections:	<u>1 NO PUNCTURE - USED 300x20mm WIDE RADBAR S/A DRESS STRIP TO REPAIR</u>					
3) Photograph Check List - Tick to Confirm - Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.					
3.1	Internal Venting Pipes Spacing			Signed: <u>DS Barnes</u>		Dated: <u>17/10/17</u>	
3.2	External Cranked Vents Spacing						
3.3	Sub Floor Void						
3.4	Membrane Overview						
3.5	Overlaps			Photographs witnessed and approved by Coopers:			
3.6	Corners			Signed: <u>[Signature]</u>		Dated: <u>17/10/17</u>	
3.7	Services						
3.8	Product Types/Labels						

For Residential Development at New Church Street, Radcliffe.



KIER

PLOT 40

PLOT
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PLOT

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PLOT
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PLOT 40



Gas Protection - Validation Record Sheet

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot No.: Block 3 (7-10) + Block 9 (25 + 26 + 27)

Inspection date:	4/5/17	Weather:	Sunny, warm, dry	Inspected by:	ST	Company:	Coopers
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	N/A – Front and rear vents present.					
1.2	External Wall Venting – cranked vent spacing	✓ < 2m (~1.6m)					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	Wall cavity stage					
2.2	Condition of sub-grade & underside of gas membrane	Good – no concerns for wall cavity.					
2.3	Gas membrane type	Radbar (Amber 2 membrane)					
2.4	Gas membrane condition and coverage	Full cavity is spanned by membrane					
2.5	Jointing tape product	Radbar double sided tape +					
2.6	Lapping tape product	Radbar J/s tape (foil) +					
2.7	Condition of joints/seals	Good – > 150mm overlaps achieved.					
2.8	Number and condition of service entry seals	N/A					
2.9	Membrane steps/corner seals	Good – framed corners					
2.10	Repairs or Corrections:	None required.					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance. Signed: <u>ST</u> Dated: <u>4/5/17</u>					
3.1	Internal Venting Pipes Spacing						
3.2	External Cranked Vents Spacing						
3.3	Sub Floor Void						
3.4	Membrane Overview						
3.5	Overlaps						
3.6	Corners						
3.7	Services						
3.8	Product Types/Labels						
			Photographs witnessed and approved by Coopers: Signed: _____ Dated: _____				

For Residential Development at New Church Street, Radcliffe.

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot No.: BLOCK 1A (PLOTS 28 TO 31)

Inspection date:	<u>7/4/17</u>	Weather:	<u>CLOUDY + DRY</u>	Inspected by:	<u>BEN HILL</u>	Company:	<u>COOPERS</u>
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	<u>N/A - FRONT + REAR VENTS</u>					
1.2	External Wall Venting – cranked vent spacing	<u><2m. (1.8m)</u>					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	<u>WALL CAVITY STAGE</u>					
2.2	Condition of sub-grade & underside of gas membrane	<u>GOOD - NO CONCERNS FOR WALL CAVITY</u>					
2.3	Gas membrane type	<u>RADBAR - TICKETS (AMBER 2 MEMBRANE)</u>					
2.4	Gas membrane condition and coverage	<u>FULL CAVITY</u>					
2.5	Jointing tape product	<u>RADBAR DOUBLE SIDED TAPE - ROLL WITNESSED</u>					
2.6	Lapping tape product	<u>RADBAR S/S TAPE (FOIL) - TICKETS</u>					
2.7	Condition of joints/seals	<u>GOOD - >150mm OVERLAPS</u>					
2.8	Number and condition of service entry seals	<u>NONE</u>					
2.9	Membrane steps/corner seals	<u>GOOD - FORMED CORNERS</u>					
2.10	Repairs or Corrections:	<u>NONE REQUIRED</u>					
3) Photograph Check List – Tick to Confirm – Refer to Examples			I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.				
3.1	Internal Venting Pipes Spacing	<u>N/A</u>	Signed: <u>Ben Hill</u>		Dated: <u>7/4/17</u>		
3.2	External Cranked Vents Spacing	<u>✓</u>					
3.3	Sub Floor Void	<u>N/A</u>	Photographs witnessed and approved by Coopers:				
3.4	Membrane Overview	<u>✓</u>					
3.5	Overlaps	<u>✓</u>	Signed: <u>N/A</u>				
3.6	Corners	<u>✓</u>					
3.7	Services	<u>N/A</u>	Dated: <u>N/A</u>				
3.8	Product Types/Labels	<u>✓</u>					

For Residential Development at New Church Street, Radcliffe.

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot No.: Block 12 / Lts 36-37

Inspection date:	<u>8/8/17</u>	Weather:	<u>broken cloud & showers</u>	Inspected by:	<u>ST</u>	Company:	<u>Coopers</u>
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	–					
1.2	External Wall Venting – cranked vent spacing	✓					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	<u>Stage 1 – Walk Stage</u>					
2.2	Condition of sub-grade & underside of gas membrane	<u>Good – membrane clean, no large creases, flat on floor slab.</u>					
2.3	Gas membrane type	<u>RADBAR</u>					
2.4	Gas membrane condition and coverage	<u>Good – some external cavity, No c/p's / tears, confined access above ground.</u>					
2.5	Jointing tape product	<u>RADBAR Detail Strip</u>					
2.6	Lapping tape product	<u>“ “</u>					
2.7	Condition of joints/seals	<u>Good – Radbar detail strip used as overlap, sometimes multiple layers</u>					
2.8	Number and condition of service entry seals	–					
2.9	Membrane steps/corner seals	<u>Good – corners all formed flat and sealed with detail strip.</u>					
2.10	Repairs or Corrections:	<u>1 tear access party wall section : 3 overlaps sealed with detail strip.</u>					
3) Photograph Check List – Tick to Confirm – Refer to Examples			I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.				
3.1	Internal Venting Pipes Spacing	<u>✓</u>	Signed: <u>ST</u>		Dated: <u>8/8/17</u>		
3.2	External Cranked Vents Spacing	<u>✓</u>					
3.3	Sub Floor Void	<u>✓</u>					
3.4	Membrane Overview	<u>✓</u>					
3.5	Overlaps	<u>✓</u>	Photographs witnessed and approved by Coopers:				
3.6	Corners	<u>✓</u>	Signed:		Dated:		
3.7	Services	<u>✓</u>					
3.8	Product Types/Labels	<u>✓</u>					

For Residential Development at New Church Street, Radcliffe.

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot No.: Block 2 Plot 4

Inspection date:	<u>11/8/17</u>	Weather:	<u>Sunny, warm, broken cloud</u>	Inspected by:	<u>ST</u>	Company:	<u>Coopers</u>
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1) Sub Floor Venting System		Comments:
1.1	Internal Wall Venting Pipes – size and spacing	—
1.2	External Wall Venting – cranked vent spacing	—
2) Gas Membrane Inspection		Comments:
2.1	Inspection Stage:	<u>Stage 2 - Floor Stage</u>
2.2	Condition of sub-grade & underside of gas membrane	<u>Good - clean, no rough surfaces/objects.</u>
2.3	Gas membrane type	<u>Black RADBAR gas membrane</u>
2.4	Gas membrane condition and coverage	<u>Covers whole plot; 150mm overlaps on middle/side walls / front & rear sections.</u>
2.5	Jointing tape product	<u>Black RADBAR double-sided tape.</u>
2.6	Lapping tape product	<u>Silver RADBAR ultra lapping tape.</u>
2.7	Condition of joints/seals	<u>Two middle overlaps - good; two sides ^{wall seals} double sided tape initially missing; rear / front ^{passed.}</u>
2.8	Number and condition of service entry seals	<u>Good - jubilee clips and tape present.</u>
2.9	Membrane steps/corner seals	<u>None.</u>
2.10	Repairs or Corrections:	<u>Norips / holes; two sides ^{wall seals} needed tape.</u>
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.
3.1	Internal Venting Pipes Spacing	—
3.2	External Cranked Vents Spacing	—
3.3	Sub Floor Void	☒
3.4	Membrane Overview	☒
3.5	Overlaps	☒
3.6	Corners	☒
3.7	Services	☒
3.8	Product Types/Labels	☒
Signed: <u>ST</u>		Dated: <u>11/8/17.</u>
Signed: <u>N/A</u>		Dated: <u>N/A</u>

For Residential Development at New Church Street, Radcliffe.

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot No.: 9

Inspection date:	<u>27/7/17</u>	Weather:	<u>Rain</u>	Inspected by:	<u>ST</u>	Company:	<u>Coopers</u>
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	<u>N/A</u>					
1.2	External Wall Venting – cranked vent spacing	<u>N/A</u>					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	<u>2</u>					
2.2	Condition of sub-grade & underside of gas membrane	<u>Good - no dips / tears</u>					
2.3	Gas membrane type	<u>Black Radbar (Amber 2. Spec) Membrane</u>					
2.4	Gas membrane condition and coverage	<u>Good - no creases, overlaps clearly marked (>150mm).</u>					
2.5	Jointing tape product	<u>Black double sided butyle (RADBAR 10 x 50mm)</u>					
2.6	Lapping tape product	<u>Silver joint tape (RADBAR Silver utex).</u>					
2.7	Condition of joints/seals	<u>Clean, some failure to adhere due to rain splash*</u>					
2.8	Number and condition of service entry seals	<u>3 to pits, taped to spec, no jubilee clips on site**</u>					
2.9	Membrane steps/corner seals	<u>Good - forced tight into corners, sealed with tape.</u>					
2.10	Repairs or Corrections:	<u>* Need photo showing silver tape across all joints ** Photo needed showing jubilee clips</u>					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.					
3.1	Internal Venting Pipes Spacing	<u>-</u>					
3.2	External Cranked Vents Spacing	<u>✓</u>					
3.3	Sub Floor Void	<u>✓</u>					
3.4	Membrane Overview	<u>✓</u>					
3.5	Overlaps	<u>✓</u>					
3.6	Corners	<u>✓</u>					
3.7	Services	<u>✓</u>					
3.8	Product Types/Labels	<u>✓</u>					
		Signed: <u>ST</u>		Dated: <u>27/7/17</u>			
		Photographs witnessed and approved by Coopers:					
		Signed: <u>N/A</u>		Dated: <u>-</u>			

For Residential Development at New Church Street, Radcliffe.

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot No.: 13

Inspection date:	<u>11th July 2017</u>	Weather:	<u>Showers</u>	Inspected by:	<u>M Ollier</u>	Company:	<u>Coopers</u>
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	<u>Witnessed on adjacent plots</u>					
1.2	External Wall Venting – cranked vent spacing	<u>Every 2m along external walls</u>					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	<u>Stage 2 = membrane installed across floor slab and connected to membrane through walls</u>					
2.2	Condition of sub-grade & underside of gas membrane	<u>Good quality - cleared for suitable adhesion of butyl tape</u>					
2.3	Gas membrane type	<u>Redber</u>					
2.4	Gas membrane condition and coverage	<u>Excellent condition and installed to good standard</u>					
2.5	Jointing tape product	<u>Redber Double Sided Tape</u>					
2.6	Lapping tape product	<u>Redber Silver Lapping Tape (Redber Detailing strip used around door entries</u>					
2.7	Condition of joints/seals	<u>750mm overlap and sealed with butyl and jointing tape</u>					
2.8	Number and condition of service entry seals	<u>3 service entries</u>					
2.9	Membrane steps/corner seals	<u>None</u>					
2.10	Repairs or Corrections:	<u>None</u>					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.					
3.1	Internal Venting Pipes Spacing	<u>N/A</u>	Signed: <u>M. N. Ollier</u>		Dated: <u>11th July 2017</u>		
3.2	External Cranked Vents Spacing	<u>✓</u>					
3.3	Sub Floor Void	<u>N/A</u>					
3.4	Membrane Overview	<u>✓</u>					
3.5	Overlaps	<u>✓</u>	Signed: <u>M. N. Ollier</u>		Dated: <u>11th July 2017</u>		
3.6	Corners	<u>✓</u>					
3.7	Services	<u>✓</u>					
3.8	Product Types/Labels	<u>✓</u>					

For Residential Development at New Church Street, Radcliffe.

Gas Protection - Validation Record Sheet

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot No.: ~~18/0000~~ 18.

Inspection date:	29/6/17	Weather:	cloudy	Inspected by:	ST	Company:	Coopers
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	—					
1.2	External Wall Venting – cranked vent spacing	—					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	Stage 2 – Floor stage					
2.2	Condition of sub-grade & underside of gas membrane	No punctures visible, membrane was not uneven as a result of any object below it.					
2.3	Gas membrane type	Radkine Gas barrier – 500 mm					
2.4	Gas membrane condition and coverage	Cover whole slab; sealed to stage one at wall cavity. Cleaned, including primer.					
2.5	Jointing tape product	Blue double sided tape.					
2.6	Lapping tape product	Silver jointing tape (Ultra).					
2.7	Condition of joints/seals	Good * – * Some creases; repair with detail strip witnessed on site.					
2.8	Number and condition of service entry seals	1 repair with detail strip; 1 good (2 total). Top hats (performed) confirmed.					
2.9	Membrane steps/corner seals	Good condition, all square, tape visible.					
2.10	Repairs or Corrections:	None noted * – * One tear behind service entry sent to wall; repair with detail strip.					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance. Signed:  Dated: 29/6/17 Photographs witnessed and approved by Coopers: Signed: N/A Dated: N/A					
3.1	Internal Venting Pipes Spacing						
3.2	External Cranked Vents Spacing	—					
3.3	Sub Floor Void	✓					
3.4	Membrane Overview	✓					
3.5	Overlaps	✓					
3.6	Corners	✓					
3.7	Services	✓					
3.8	Product Types/Labels	✓					

For Residential Development at New Church Street, Radcliffe.

Gas Protection - Validation Record Sheet

One record sheet to be completed for each plot This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot No.: Plot 23

Inspection date:	18/9/17	Weather:	overcast	Inspected by:	ST	Company:	Coopers
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	—					
1.2	External Wall Venting – cranked vent spacing	—					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	Stage 2 - floor stage					
2.2	Condition of sub-grade & underside of gas membrane	membrane was uniform flat. No punctures on floor area.					
2.3	Gas membrane type	Radbar gas barrier - 500 mm					
2.4	Gas membrane condition and coverage	Covers whole of slab; sealed to wall membrane at wall cavity - cleaned + primer applied.					
2.5	Jointing tape product	double sided tape					
2.6	Lapping tape product	Silver jointing tape (Radbar ultra)					
2.7	Condition of joints/seals	Good - no creases, >150 mm overlaps achieved.					
2.8	Number and condition of service entry seals	Good - sealed with detail strip. Tubilee clips present.					
2.9	Membrane steps/corner seals	Good - flat and square to corners.					
2.10	Repairs or Corrections:	2 punctures on wall stage sealed with Radbar detail strip.					
3) Photograph Check List – Tick to Confirm – Refer to Examples			I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.				
3.1	Internal Venting Pipes Spacing	—	Signed: 		Dated: 18/9/17		
3.2	External Cranked Vents Spacing	✓					
3.3	Sub Floor Void	✓	Photographs witnessed and approved by Coopers:				
3.4	Membrane Overview	✓					
3.5	Overlaps	✓	Signed: N/A				
3.6	Corners	✓					
3.7	Services	✓	Dated: N/A				
3.8	Product Types/Labels	✓					

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot No.: 28

Inspection date:	<u>18/8/17</u>	Weather:	<u>Rain showers, mild</u>	Inspected by:	<u>ST</u>	Company:	<u>Coopers</u>
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1) Sub Floor Venting System		Comments:
1.1	Internal Wall Venting Pipes – size and spacing	–
1.2	External Wall Venting – cranked vent spacing	–
2) Gas Membrane Inspection		Comments:
2.1	Inspection Stage:	<u>Stage 2 - floor stage.</u>
2.2	Condition of sub-grade & underside of gas membrane	<u>Good - no sharp objects pierced membrane; membrane laid uniform</u>
2.3	Gas membrane type	<u>Black RADBAR gas membrane.</u>
2.4	Gas membrane condition and coverage	<u>Good - whole plot covered up to party walls.</u>
2.5	Jointing tape product	<u>Black radbar double sided tape</u>
2.6	Lapping tape product	<u>RADBAR ultra foil tape</u>
2.7	Condition of joints/seals	<u>Good - overlaps >150mm achieved and detail strip used on perimeter.</u>
2.8	Number and condition of service entry seals	<u>Tophats & jubilee clips installed to spec. Sealed with detail strip</u>
2.9	Membrane steps/corner seals	<u>N/A</u>
2.10	Repairs or Corrections:	<u>4 No. punctures repaired on site. one section of detail strip added.</u>
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance. Signed: <u>ST</u> Dated: <u>18/8/17</u>
3.1	Internal Venting Pipes Spacing	
3.2	External Cranked Vents Spacing	<u>✓</u>
3.3	Sub Floor Void	<u>✓</u>
3.4	Membrane Overview	<u>✓</u>
3.5	Overlaps	<u>✓</u>
3.6	Corners	<u>✓</u>
3.7	Services	<u>✓</u>
3.8	Product Types/Labels	<u>✓</u>
		Photographs witnessed and approved by Coopers: Signed: _____ Dated: _____

For Residential Development at New Church Street, Radcliffe.

One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot No.: 33

Inspection date:	<u>31/7/17</u>	Weather:	<u>cloudy, warm</u>	Inspected by:	<u>ST</u>	Company:	<u>Coopers</u>
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	—					
1.2	External Wall Venting – cranked vent spacing	—					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	<u>Stage 2 – Floor Slab</u>					
2.2	Condition of sub-grade & underside of gas membrane	<u>Good quality – butyl tape applied well & sealed.</u>					
2.3	Gas membrane type	<u>Black RADBAR</u>					
2.4	Gas membrane condition and coverage	<u>Good, few small holes. Whole plot covered, sealed on L & sides.</u>					
2.5	Jointing tape product	<u>RADBAR Double-sided tape</u>					
2.6	Lapping tape product	<u>Radbar ultra lapping tape</u>					
2.7	Condition of joints/seals	<u>Good – overlap visible</u>					
2.8	Number and condition of service entry seals	<u>Good – tape checked & jubilee clips visible</u>					
2.9	Membrane steps/corner seals	<u>Good None.</u>					
2.10	Repairs or Corrections:	<u>* Small holes repaired with patch near rear door. Witnessed on site.</u>					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.					
3.1	Internal Venting Pipes Spacing	—		Signed: <u>ST</u>		Dated: <u>31/7/17</u>	
3.2	External Cranked Vents Spacing	✓					
3.3	Sub Floor Void	✓		Photographs witnessed and approved by Coopers:			
3.4	Membrane Overview	✓					
3.5	Overlaps	✓		Signed: <u>N/A</u>			
3.6	Corners	✓					
3.7	Services	✓		Dated: <u>N/A</u>			
3.8	Product Types/Labels	✓					

For Residential Development at New Church Street, Radcliffe.

Gas Protection - Validation Record Sheet

One record sheet to be completed for each plot This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Plot No.: Plot 36

Inspection date:	17/10/17	Weather:	Sunny, some cloud	Inspected by:	ST	Company:	Coopers
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	-					
1.2	External Wall Venting – cranked vent spacing	-					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	Stage 2 - floor stage					
2.2	Condition of sub-grade & underside of gas membrane	Good - no floor punctures, membrane is flat / uniform					
2.3	Gas membrane type	Black P AD BAR					
2.4	Gas membrane condition and coverage	Covers whole of floor slab					
2.5	Jointing tape product	Barbac detail strip.					
2.6	Lapping tape product	Silver Butyl tape (adhesive under)					
2.7	Condition of joints/seals	Good - overlaps secured / visible.					
2.8	Number and condition of service entry seals	3 - preformed tophats + jubilee clips installed to spec.					
2.9	Membrane steps/corner seals	Concrete seals still intact from Stage 1.					
2.10	Repairs or Corrections:	2 small punctures along front wall. Repairs witnessed by Coopers.					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.					
3.1	Internal Venting Pipes Spacing	-					
3.2	External Cranked Vents Spacing	✓					
3.3	Sub Floor Void	✓					
3.4	Membrane Overview	✓					
3.5	Overlaps	✓					
3.6	Corners	✓					
3.7	Services	✓					
3.8	Product Types/Labels	✓					
		Signed: 				Dated: 17/10/17	
		Photographs witnessed and approved by Coopers:					
		Signed: N/A				Dated: N/A	



Radbar Amber 1 Membrane

Capital Valley Plastics Limited, Cwmavon Works, Cwmavon, Nr Pontypool, Gwent, NP4 8UW

Tel: 01495 772255

Characteristic	Test Method	Unit	Result
PHYSICAL PROPERTIES			
Thickness	EN 1849 - 2	mm	0.5
Width	EN 1848 - 2	M	2
Length	EN 1848 - 2	M	25
HYDRAULIC PROPERTIES			
Water tightness 2kPa	EN 1928	-	Pass
Water Vapour Trans	BS 3177 (1995)	g/m ² /day	0.15
MECHANICAL PROPERTIES			
Resistance to static loading	EN 12730 Method B	kg	Pass at 20kg
Tensile strength MD	EN 12311 - 1	N/mm ²	21.2
Tensile strength CD	EN 12311 - 1	N/mm ²	21
Elongation MD	BS 2782 (1996) 320A	%	400
Elongation CD	BS 2782 (1996) 320A	%	500
Resistance to Impact	EN 12691	mm	Pass at 250mm
Resistance to tearing (nail shank) MD	EN 12310 - 1	N	339
Resistance to tearing (nail shank) CD	EN 12310 - 1	N	346
CHEMICAL/GAS RESISTANCE			
Radon Perm	-	10 ⁻¹² m ² /s	8
Radon Trans	-	10 ⁻⁹ m/s ⁻¹	22
CO ₂ Perm	ISO 2782:1995	m ² /s ⁻¹ /Pa ⁻¹	2.055 x 10 ⁻¹⁷
CO ₂ Trans	ISO 2782:1995	m/s ⁻¹	4.357 x 10 ⁻⁹
Methane Perm	ISO 2782:1995	m ² /s ⁻¹ /Pa ⁻¹	1.248 x 10 ⁻¹⁷
Methane Trans	ISO 2782:1995	m/s ⁻¹	2.452 x 10 ⁻⁹

N.B. The information provided in the datasheet is based on independent laboratory results and correct at the time of production

Above mentioned data are of informative character only. The manufacturer reserves the right to alter specifications without prior notice. It is the responsibility of all users to satisfy themselves that the above specifications are current.





Radbar Amber 2 Foil Barrier

Capital Valley Plastics Limited, Cwmavon Works, Cwmavon, Nr Pontypool, Gwent, NP4 8UW

Tel: 01495 772255

Characteristic	Test Method	Unit	Min	Avg	Max
PHYSICAL PROPERTIES					
Thickness	EN 1849 - 2	mm	0.5	0.6	0.7
Width	EN 1849 - 2	M		2	
Length	EN 1849 - 2	M		50	
HYDRAULIC PROPERTIES					
Water Column Test	EN20811	-	>300		
Resistance to Water Penetration	EN13967, EN1928	-	PASS		
Durability of watertightness against ageing	EN1296, EN13967, EN1928	-	PASS		
MECHANICAL PROPERTIES					
Resistance to static loading	EN 12730 Method B	KG	20		
Tensile strength MD	EN 12311 - 1	N/50mm	500	600	700
Tensile strength CD	EN 12311 - 1	N/50mm	380	480	580
Elongation MD	EN 12311 - 1	%	10	20	30
Elongation CD	EN 12311 - 1	%	10	20	30
Puncture Resistance (CBR)	EN 12236	KN	1.19	1.25	1.29
Resistance to tearing (nail shank) MD	EN 12310 - 1	N	270	330	400
Resistance to tearing (nail shank) CD	EN 12310 - 1	N	330	400	500
DURABILITY AND CHEMICAL RESISTANCE					
Transmission rate of volatile liquids - Diesel	ISO 6179:2010 (METHOD B)	g/m²/h	0.246		
Transmission rate of volatile liquids - Xylene	ISO 6179:2010 (METHOD B)	g/m²/h	0.571		
Transmission rate of volatile liquids - Toluene	ISO 6179:2010 (METHOD B)	g/m²/h	0.583		
Transmission rate of volatile liquids - Petrol	ISO 6179:2010 (METHOD B)	g/m²/h	0.135		
Radon Permeability	K124/02/95	m² s-1	8 x 10-15		
Carbon Dioxide Permeability Coefficient	DIN 53380 - 2	m² pa -1 s-1	2.58 x 10-19		
Methane Permeability Coefficient	DIN 53380 - 2	m² pa -1 s-2	1.56 x 10-19		
Methane Permeability	ISO 15105 - 1	ml/day.m².atm	30.66		

N.B. The information provided in the datasheet is based on independent laboratory results and correct at the time of production

Above mentioned data are of informative character only. The manufacturer reserves the right to alter specifications without prior notice. It is the responsibility of all users to satisfy themselves that the above specifications are current.



One record sheet to be completed for each plot

This Record sheet is only applicable to block and beam floor slabs for Characteristic Situation 2 gas protection systems

Block

Plot No.: 1 PLOTS 1+2

Inspection date:	16/5/17	Weather:	OVERCAST + DRY	Inspected by:	D BARNES	Company:	KIER LIVING
1) Sub Floor Venting System		Comments:					
1.1	Internal Wall Venting Pipes – size and spacing	N/A, FRONT + REAR VENTS, AS PREVIOUS INSPECTIONS					
1.2	External Wall Venting – cranked vent spacing	LESS THAN 2M – 1.8M					
2) Gas Membrane Inspection		Comments:					
2.1	Inspection Stage:	WALL CAVITY STAGE					
2.2	Condition of sub-grade & underside of gas membrane	ALL GOOD					
2.3	Gas membrane type	RADBAR – AMBER 2 MEMBRANE, AS PER PREVIOUS INSPECTIONS					
2.4	Gas membrane condition and coverage	FULL CAVITY					
2.5	Jointing tape product	RADBAR DOUBLE SIDED TAPE + RADBAR S/A DETAIL STRIP 300mm x 20m					
2.6	Lapping tape product	RADBAR S/S TAPE (SILVER) 75mm x 50m					
2.7	Condition of joints/seals	GOOD – 150mm OVERLAPS					
2.8	Number and condition of service entry seals	NONE					
2.9	Membrane steps/corner seals	GOOD + TIDY					
2.10	Repairs or Corrections:	NONE VISIBLE					
3) Photograph Check List – Tick to Confirm – Refer to Examples		I confirm I have independently inspected and verified the gas membrane installation has been completed in accordance with construction details and manufacturers guidance.					
3.1	Internal Venting Pipes Spacing	N/A	Signed: <u>D Barnes</u>		Dated: <u>16/5/17</u>		
3.2	External Cranked Vents Spacing	✓					
3.3	Sub Floor Void	✓					
3.4	Membrane Overview	✓					
3.5	Overlaps	✓	Photographs witnessed and approved by Coopers:				
3.6	Corners	✓					
3.7	Services	N/A	Signed: <u>A. Dutton</u>		Dated: <u>16/5/17</u>		
3.8	Product Types/Labels	✓					

For Residential Development at New Church Street, Radcliffe.

















PLOT
1

03

E04

05

E06

07

201-10-02

201-10-02