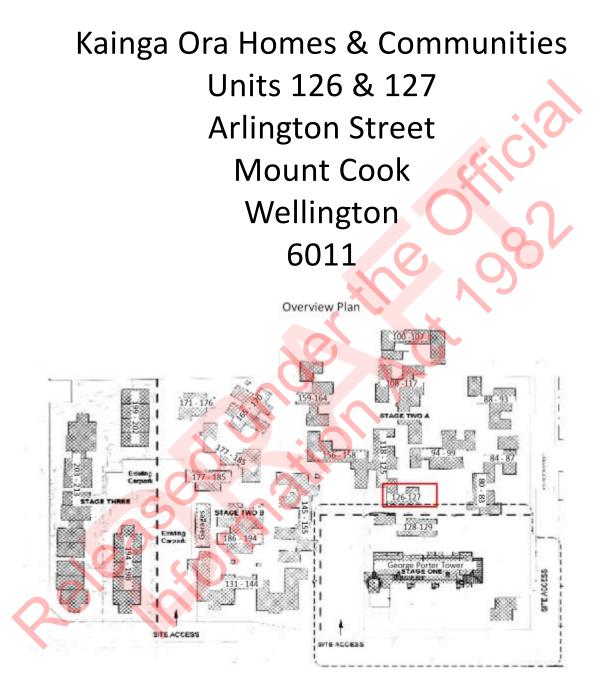


# Asbestos Demolition Survey



Conducted By Paul Dupree (P401-P405) & Chelsea Wright

On 16/06/2020 to 17/08/2020

Report Number: S-14249/37184

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## **1.0 INTRODUCTION AND SITE INFORMATION**

Site Address:	Units 126 & 127
	Arlington Street
	Mount Cook
	Wellington
Client Name and Address:	Kainga Ora Homes & Communities
	PO Box 2628, Wellington, 6140
Client Contact:	Project Manager
Survey Date(s):	16/06/2020 to 17/08/2020
Report Issue Date:	27/08/2020
Name of Surveyor(s):	9(2)(a)

Paul Dupree (P401-P405) & Chelsea Wright

Name of Quality Reviewer:

Paul Dupree



## 1.1 Scope of the S vey

The scope of this survey was to e and identify asbestos containing materials within the structures and scope defined client. is report is designed to be kept as a record of assessment of the extent and chacteristics f the as stos found and is based on information made available on 16/06/202 o 17/08/2020.

The survey is ed on the WorkSafe Good Practice Guidelines on Conducting Asbestos Surveys, October 2016 and E UK A estos: The Survey Guide (HSG264). A comprehensive inspection of the building interior and ior was undertaken, and samples of any suspect materials were collected and taken to the laboratory for analysis. During the course of the survey, 18 samples were collected and analysed.

## 1.2 Building / Site Description

Site Description:	Multi unit domestic properties
Age of Building:	1970's

## 2.0 SURVEY FINDINGS

A Demolition Survey of Units 126 & 127 located at Arlington Street, Mount Cook, Wellington was conducted on 16/06/2020 to 17/08/2020 by Paul Dupree (P401-P405) & Chelsea Wright of Capital Environmental Services (2005) Ltd.

## 2.1 Summary of Asbestos Locations

The following table details the locations that were found to contain asbestos or presumed to contain asbestos and the material risk, together with a brief recommendation. The asbestos containing materials (ACMs) identified during the survey have been assessed using a material assessment score (see section 3 – Survey Results and Section 7.2 – Material Assessment Score). This has been used to categorise each one according to its potential, ranging from high, medium, I and very low, to release fibres.

	Unit 126					
Floor	CES Location Number	Room Name	Material Descripti	Sampl No.	Materi Risk	Recommended Action
Ground Floor	011	Ceiling	Textured coating to concrete ceiling - Textu d ting	5/39916	Very Low	Remove
Ground Floor	014	Kitchen	Residue o concr beneath odern v yl & screed - ap	2/39913	Medium	Remove
Ground Floor	015	Bathro m	sidues to ncrete b neath mod n vinyl aper	S013/39914	Medium	Remove

Unit 127						
Floor	CES ation Nu er	Room N-me	Material Description	Sample No.	Material Risk	Recommended Action
1st Floor	008	K hen	Paper backed vinyl beneath modern vinyl & screed - Vinyl with paper backing	S007/39908	Low	Remove
1st Floor	009	Bathroom	Paper backed vinyl beneath modern vinyl - Vinyl with paper backing	X007/39908	Medium	Remove

	Units 126 & 127					
Floor	CES Location Number	Room Name	Material Description	Sample No.	Material Risk	Recommended Action
External	099	External	Cement panels to walls of electric cupboard - Cement Product	SP001	Medium	Remove
External	099	External	Fuses to electrics cupboard - Textile	SP002	Very Low	Remove
External	099	External	Canopy to flat 127 - Cement Product	SP003	Medium	Remove

### 2.2 No Access Areas

The following table details the areas that were not accessed d ng the survey. ese areas should be presumed to contain asbestos until proven otherwise. P ase refer to the full bu ing register for limited access and no access comments.

All areas within scope of survey were accessed

### 2.3 General Recommendations

All maintenance staff should be familiar with e attach bestos register, building plans and full building register which identify the positions of t Asb stos Containing Materials (ACM's) and suspect ACM's. These documents shou al ys be in ded in a site safety induction for all external contractors.

An annual assessment of t condit o hould be made, any changes must be recorded in the asbestos register and constition be given to abatement or demolition procedures.

Care should a ays be tak when orking in and around wall penetrations and on materials that were not a essed during the rvey. Any suspect materials should be analysed for asbestos in an IANZ accredited la ratory.

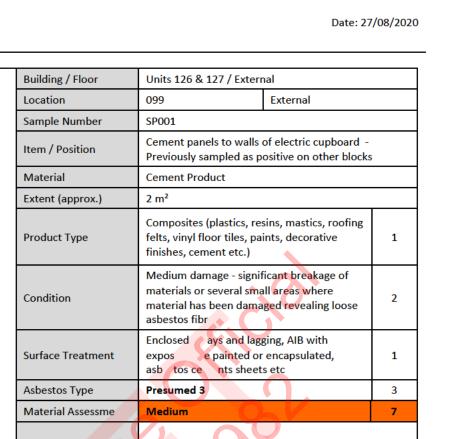
## **3.0 SURVEY RESULTS**

	and the main and the	Building / Floor	Unit 126 / Ground Floor	
		Location	015 Bathroom	
	2	Sample Number	\$013/39914	
	- 18 Jan	Item / Position	Residues to concrete beneath modern vinyl	
1000		Material	Paper	
A CONTRACTOR		Extent (approx.)	5 m <sup>2</sup>	
		Product Type	AIB, textiles, gaskets, ropes, paper etc.	2
		Condition	High damage or delamination of materials, sprays and the mal insulation. Visible asbestos d is.	3
		Surface Treatment	Unse B, textiles or encapsulated lag ng and ays	2
1000	and the state of the state	Asbestos Type	Chrysotile	1
1. 1. 3. 1.		Material Assessm	Medium	8
		Recommenda	move	
Comments	Material should be removed following asl accordance with the regulations.	pest s procedures by an	estos contractor holding appropriate licence in	
		Bu ng / Flo	Unit 126 / Ground Floor	
4		Loca n	014 Kitchen	
and the states		Sample umber	s012/39913	
4		Item / Po on	Residues to concrete beneath modern vinyl & sci - Under screed.	reed
	and a second		onder obreed.	
and a		Mater I	Paper	
and the bar of the second	State State	Mater 1 Extent (approx.)		
			Paper	2
		Extent (approx.)	Paper 4 m <sup>2</sup>	
R		Extent (approx.) Product Type	Paper         4 m²         AIB, textiles, gaskets, ropes, paper etc.         High damage or delamination of materials, sprays and thermal insulation. Visible	2
R		Extent (approx.) Product Type Condition	Paper         4 m²         AIB, textiles, gaskets, ropes, paper etc.         High damage or delamination of materials, sprays and thermal insulation. Visible asbestos debris.         Enclosed sprays and lagging, AIB with exposed face painted or encapsulated,	2
R		Extent (approx.) Product Type Condition Surface Treatment	Paper         4 m²         AIB, textiles, gaskets, ropes, paper etc.         High damage or delamination of materials, sprays and thermal insulation. Visible asbestos debris.         Enclosed sprays and lagging, AIB with exposed face painted or encapsulated, asbestos cements sheets etc	2 3 1
R		Extent (approx.) Product Type Condition Surface Treatment Asbestos Type	Paper         4 m²         AIB, textiles, gaskets, ropes, paper etc.         High damage or delamination of materials, sprays and thermal insulation. Visible asbestos debris.         Enclosed sprays and lagging, AIB with exposed face painted or encapsulated, asbestos cements sheets etc         Chrysotile	2 3 1

		-			
		Building / Floor	Unit 127 / 1st Floor	-	
		Location	008	Kitchen	
		Sample Number	S007/39908		
		Item / Position	Paper backed vinyl ben Under screed.	eath modern vinyl & sc	reed -
		Material	Vinyl with paper backir	ng	
	and the second second	Extent (approx.)	4 m <sup>2</sup>		
		Product Type	AIB, textiles, gaskets, ro	opes, paper etc.	2
1		Condition	Low damage - A few sc marks, broken edges of		1
		Surface Treatment	Enclosed sp s and lag exposed e painted o asbes ments shee	or encapsulated,	1
	Part and	Asbestos Type	Ch ysotile		1
N.		Material Assessment	Low		5
Comments	Material should be removed following as accordance with the regulations.	Recommenda n	Rem ve bestos contractor holdin	ng appropriate licence in	n
		B Iding /	Un 26 / Ground Floo	<i></i>	
		Loc ion	011	Ceiling	
		Samp N mber	S015/39916	Cennig	
		Item / sition	Textured coating to co	ncrete ceiling	
	No Photo Available	Material	Textured coating		
		nt (approx.)	22 m <sup>2</sup>		
	Ser	Product Type	Composites (plastics, re felts, vinyl floor tiles, pr finishes, cement etc.)		1
		Condition	Low damage - A few sc marks, broken edges of		1
0	O Na Dhata Ausilabi	Surface Treatment	Enclosed sprays and lag exposed face painted o asbestos cements shee	or encapsulated,	1
	No Photo Availabl	Asbestos Type	Chrysotile		1
		Material Assessment	Very Low		4
		Recommendation	Remove		
Comments	Material should be removed following as accordance with the regulations.	bestos procedures by an a	asbestos contractor holdi	ng appropriate licence i	n

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Contraction of the		Building / Floor	Unit 127 / 1st Floor	-		
1 ton		Location	009	Bathroom		
	THE REAL PROPERTY OF	Sample Number	X007/39908			
- A12		Item / Position	Paper backed vinyl beneath modern vinyl			
		Material	Vinyl with paper backing			
1 266		Extent (approx.)	5 m²			
	(C)	Product Type	AIB, textiles, gaskets, r	opes, paper etc.	2	
-		Condition	High damage or delam sprays and thermal ins asbestos debris.		3	
Alenha		Surface Treatment	Enclosed sp s and la exposed e painted o asbes ments shee	or encapsulated,	1	
		Asbestos Type	Ch sotile		1	
	Catherine Provide State	Material Assessment	Medium		7	
		Recommenda n	Rem ve	6		
Comments	Material should be removed following asl accordance with the regulations.	bestos procedures by	bestos contractor holdi	ng appropriate licence i	n	
		B Iding / r	Un 126 & 127 / Exte	rnal		
		Loc ion	099	External		
		Samp N mber	SP003			
		Item / P ition	Canopy to flat 127 - Pr other blocks	eviously sampled as pos	itive on	
		Material	Cement Product			
		Exte (approx.)	2 m <sup>2</sup>			
		Product Type	Composites (plastics, r felts, vinyl floor tiles, p finishes, cement etc.)		1	
	6. 40	Condition	Medium damage - sigr materials or several sn material has been dam asbestos fibres	nall areas where	2	
		Surface Treatment	Enclosed sprays and la exposed face painted of asbestos cements shee	or encapsulated,	1	
and the second s		Asbestos Type	Presumed 3		3	
1. 30		Material Assessment	Medium		7	
		Recommendation	Remove			



Comments

Material should be removed following asbestos procedures by an bestos contractor holding appropriate licence in accordance with the regulations.

n

R ove

Recommend

the state of the		Bu ing / Floo	Units 126 & 127 / Exter	nal	
100		Loca n	099	External	
and the second second		Sampl umber	SP002		
A Comment		Item / P tion	Fuses to electrics cupbo	ard	
		Material	Textile		
Contraction of the		Exte (approx.)	1 no		
		Product Type	AIB, textiles, gaskets, ro	pes, paper etc.	2
		Condition	Good condition - No vis	ible damage	0
		Surface Treatment	Enclosed sprays and lag exposed face painted of asbestos cements sheet	r encapsulated,	1
		Asbestos Type	Presumed 1		1
		Material Assessment	Very Low		4
1		Recommendation	Remove		
Comments	Material should be removed following asb accordance with the regulations.	estos procedures by an a	sbestos contractor holdin	g appropriate licence	in



Building / Floor	Unit 127 / Throughout		
Location	001	Throughout	
Sample Number	S001/37184		
Item / Position	Joint compound to walls rough estimate. Wallpap throughout to quantify.		
Material	Plaster		
Extent (approx.)	Estimated 100 lin m		
Product Type	-		-
Condition			-
Surface Treatment			-
Asbestos Type	NAD	$\bigcap$	-
Material Assessmen	N/A		0
Recommend n	N ecommendation rec	quired	

B iding       r       U 127 / Throughout       Throughout         Ico       ion       00       Throughout         Samp N ber       S005/39906       Internation       Packers to framework         Item / sition       Packers to framework       Bitumen/tar       Bitumen/tar         E tent Tapprox.)       140 lin m       Internation       Product Type       Internation       Interna				
Samp N ber       S005/39906         Item / sition       Packers to framework         Materia       Bitumen/tar         E tent (approx.)       140 lin m         Product Type       -         Condition       -         Surface Treatment       -         Asbestos Type       NAD         Material Assessment       N/A         Recommendation required       No recommendation required	and the second second	B ilding r	U 127 / Throughout	
Item / sition       Packers to framework         Materia       Bitumen/tar         E tent (approx.)       140 lin m         Product Type       -         Condition       -         Surface Treatment       -         Asbestos Type       NAD         Material Assessment       N/A         Recommendation required       0		Lo ion	001	Throughout
Materia       Bitumen/tar         E tent (approx.)       140 lin m         Product Type       -         Condition       -         Surface Treatment       -         Asbestos Type       NAD         Material Assessment       N/A         Recommendation       No recommendation required		Samp N ber	\$005/39906	
E tent (approx.)       140 lin m         Product Type       -         Condition       -         Surface Treatment       -         Asbestos Type       NAD         Material Assessment       N/A         Recommendation required       0		Item / sition	Packers to framework	
Product Type       -       -         Condition       -       -         Surface Treatment       -       -         Asbestos Type       NAD       -         Material Assessment       N/A       0         Recommendation required       -       -		Materia	Bitumen/tar	
Condition       -         Surface Treatment       -         Asbestos Type       NAD         Material Assessment       N/A         Recommendation       No recommendation required		E tent (approx.)	140 lin m	
Condition       -         Surface Treatment       -         Asbestos Type       NAD         Material Assessment       N/A         Recommendation       No recommendation required				
Condition       -         Surface Treatment       -         Asbestos Type       NAD         Material Assessment       N/A         Recommendation       No recommendation required		Product Type	-	-
Image: state in the state				
Image: state in the state				
Asbestos Type     NAD     -       Material Assessment     N/A     0       Recommendation     No recommendation required     -		Condition	-	-
Asbestos Type     NAD     -       Material Assessment     N/A     0       Recommendation     No recommendation required     -				
Asbestos Type     NAD     -       Material Assessment     N/A     0       Recommendation     No recommendation required     -		Curfere Treetwart		
Material Assessment     N/A     0       Recommendation     No recommendation required     0		Surface Treatment	-	-
Recommendation No recommendation required		Asbestos Type	NAD	-
The second se		Material Assessment	N/A	0
The second se	- Comments and the second s			
Comments		Recommendation	No recommendation re	quired
Comments	1 the second sec			
	Comments	·	·	

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	Building / Floor	Unit 127 / 1st Floor	1	
	Location	002 Entrance		
	Sample Number	\$006/39907		
	Item / Position	Switchboard		
	Material	Bakelite		
	Extent (approx.)	1 no		
	Product Type	-		-
-	Condition	-	0	-
	Surface Treatment	-		-
	Asbestos Type	NA		-
	Material Assessment	N/A		0
	Recommendat	No recommendation re	quired	
Comments				
	ing / Floor	it 127 / 1st Floor		
	L ation	00	Kitchen	
· · · · · · · · · · · · · · · · · · ·	Sam le Numb	5018/39919	literion	
	Item Po ion	Panel to side of oven a	rea	
	Materia	Insulation board		
	Extent (a rox.)	0.25 m <sup>2</sup>		
	Extent (a rox.) Product Type	0.25 m <sup>2</sup>		_
		0.25 m <sup>2</sup> -		-
	Product Type	-		-
	Product Type Condition	-		-
	Product Type Condition Surface Treatment	-		-
	Product Type Condition Surface Treatment Asbestos Type	- - - NAD	quired	



Building / Floor	Unit 126 / Throughout				
Location	010	Throughout			
Sample Number	S002/37185				
Item / Position	Joint compound to walls throughout - Quantity is a rough estimate. Wallpaper has not been removed throughout to quantify.				
Material	Plaster				
Extent (approx.)	Estimated 60 lin m				
Product Type	-	-			
Condition					
Surface Treatment		-			
Asbestos Type	NAD	-			
Material Assessmen	N/A	0			
Recommend n	N ecommendation red	quired			
B ilding r	U 126 / Throughout				
Bilding r	o 1207 miloughout	<b>T</b> I I .			

AND INCOMENTS OF	B ilding r	U 126 / Throughout		
ALL STORES LOF	Lo ion	010	Throughout	
Salar Alexander	Samp N ber	S014/39915		
	Item / sition	Lining paper to right side wall behind framework		
	Materia	Bitumen paper		
	E tent (approx.)	20 m²		
	Product Type	-		-
0, 40	Condition	-		-
	Surface Treatment	-		-
	Asbestos Type	NAD		-
The second second	Material Assessment	N/A		0
Recommendation		No recommendation rec	quired	

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Comments

		Building / Floor	Unit 126 / Ground Floor		
and the second se	-	Location	011 Ceilings		
	En .		S003/37186		
1000		Item / Position	Textured coating		
100 C		Material	Plaster		
		Extent (approx.)	16 no		
1		Product Type	-		-
		Condition	-	3	-
		Surface Treatment	-		-
	Statement of the local division of the local	Asbestos Type	NA		-
1		Material Assessment	N/A		0
		Recommendat	No recommendation re	quired	
Comments	Present to entrance and living room.				

Comments			
	Recommendation	No recommendation re	quired
	Material Assessment	N/A	0
No Photo Ava le	Asbestos Type	NAD	-
No Photo Available	Surface Treatment	-	-
	Condition	-	-
	Product Type	-	-
	Extent (a rox.)	3 m²	
	Materia	Paper	
	Item Po ion	Residues to concrete beneath carpet	
	Sam le Numb	\$011/39912	
	L ation	01	Entrance
	ing / Floor	it 126 / Ground Floor	r

S = Sampled; SP = Strongly Presumed; P = Presumed; X = Cross Reference (Same as another), PS = Previously Sampled

		Building / Floor	Unit 126 / Ground Floo	or	
and the second se		Location	015	Bathroom	
		Sample Number	\$004/37187		
and the second second	and the second second	Item / Position	Skim to ceiling		
the second s		Material	Plaster		
		Extent (approx.)	7 m²		
T	٢	Product Type	-		-
		Condition	-	0	-
	Surface Treatment	-		-	
and the second second second second		Asbestos Type	NA		-
			N/A		0
		Recommendat	No recommendation r	equired	
Comments					
AND DESCRIPTION OF ADDRESS OF ADDRESS OF ADDRESS ADDRE	and the second se	ing / Floor	it 127 / 1st Floor		
		L ation	01	Ceiling	
ALC: NOT THE OWNER		Sam le Numb	\$008/39909	cening	
States -		Item Po ion	Dust to lining paper at	ove chipboard ceiling	
		Materia	Dust and debris		
State of the second		Extent (a rox.)	50 m <sup>2</sup>		
		Product Type	-		-
		Condition	-		-
OCT		Surface Treatment	-		-

Asbestos Type

**Material Assessment** 

Recommendation

NAD

N/A

No recommendation required

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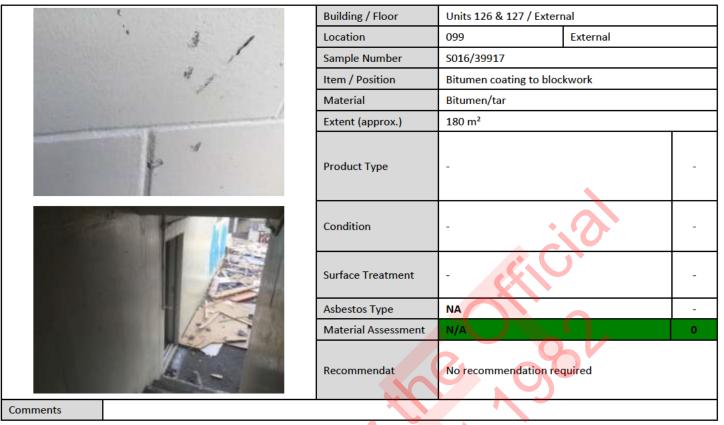
Comments

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0

the second se		Building / Floor	Unit 127 / 1st Floor		
1 2 3 4 A		Location	016	Ceiling	
		Sample Number	S009/39910		
A LAND AND A LAND		Item / Position	lining paper above chip	board ceiling	
1000		Material	Bitumen paper		
		Extent (approx.)	50 m <sup>2</sup>		
	Product Type	-	-		
	Condition	-	0 -		
	1 2	Surface Treatment	-		
and the second s	Date of the second s	Asbestos Type	NA	-	
		Material Assessment	N/A	0	
at Land	Recommendat	No recommendation re	equired		
Comments					
A CONTRACTOR	the second se	ing / Floor	it 127 / 1st Floor		
		L ation	01	Ceiling	
		Sam le Numb	S010/39911		
			·		

	L ation	01	Ceiling		
	Sam le Numb	\$010/39911			
	Item Po ion	Foil lining paper above o	hipboard ceiling		
	Materia	Bitumen paper			
	Extent (a rox.)	50 m²			
	Product Type	-			
	Condition	-		-	
Contract of	Surface Treatment	-		-	
	Asbestos Type	NAD		-	
	Material Assessment	N/A		0	
at interest	Recommendation	No recommendation rec	quired		
Comments	•	-			



	ing / Floor	its 126 & 127 / Exter	nal	
	L ation	09	External	
	Sam le Numb	S017/39918		
	Item Po ion	Expansion joint to block	work	
	Materia	Mastic		
the second second	Extent (a rox.)	5 lin m		
	X			
A DESCRIPTION OF THE OWNER OF THE	Product Type	-	-	
	<b>O</b>			
	Condition	-	-	
	Surface Treatment	-	-	
	Asbestos Type	NAD	-	
	Material Assessment	N/A	0	
A state				
	Recommendation	No recommendation re	quired	
Comments				

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S = Sampled; SP = Strongly Presumed; P = Presumed; X = Cross Reference (Same as another), PS = Previously Sampled

and a strange	Building / Floor	Building / Floor Unit 126 / Throughout		
	Location	010 Throughout		
	Sample Number	X005/39906	•	
	Item / Position	Packers to framework		
	Material	Bitumen/tar		
	Extent (approx.)	140 lin m		
A A A A A A A A A A A A A A A A A A A	Product Type	-		-
	Condition	-	0	-
	Surface Treatment	-	<b>)</b>	-
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Asbestos Type	NA		-
	Material Assessment	N/A		0
	Recommendat	No recommendation re	quired	
Comments				
	ing / Floor	it 126 / Ground Floo	r	
		01	Entrance	

	ing / Floor	it 126 / Ground Floor	r	
	L ation	01	Entrance	
	Sam le Numb	umb X006/39907		
	Item Po ion	Switchboard		
	Materia	Bakelite		
	Extent (a rox.)	1 no		
	X			
	Product Type	-	-	
	$\mathcal{O}$			
	Condition	-	-	
	Surface Treatment	-	-	
	Asbestos Type	NAD	-	
	Material Assessment	N/A	0	
	Recommendation	No recommendation re	quired	
Comments				

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S = Sampled; SP = Strongly Presumed; P = Presumed; X = Cross Reference (Same as another), PS = Previously Sampled



## 4.0 ASBESTOS REGISTER

	Unit 126									
Floor	CES Location Number	Room Name	Material	Extent (approx.)	Condition	Surface Treatment	mple Nu er	Asbestos Type	Material Score	Recommended Action
Ground Floor	015	Bathroom	Residues to concrete beneath modern vinyl - Paper	5 m²	High damage or delamination of materials, sprays and thermal insulation. Visible asbestos debris.	Unsealed , texti or enc ulated ging and ays	5013/39914	hrysotile	8	Remove
Ground Floor	014	Kitchen	Residues to concrete beneath modern vinyl & screed - Paper	4 m²	High dama e or delamina n materials, s ays and therm insulation. Vis e estos debri	Enclosed ys and lagging, B with exposed painted or en d asbestos cements sheets etc	<b>5012/39913</b>	Chrysotile	7	Remove
Ground Floor	011	Ceiling	Textured coating to concrete ceiling - Textured coating	22 m	L da age - A w scratc surface marks, broken edges on ards, tiles etc.	Enclosed sprays d lagging, AIB with exposed face painted or encapsulated, asbestos cements sheets etc	S015/39916	Chrysotile	4	Remove

					Unit 12	7				
Floor	CES Location Number	Room Name	Material	Extent (approx.)	Condition	Surface Treatment	Sample Num r	Asbestos Type	Material Score	Recommended Action
1st Floor	008	Kitchen	Paper backed vinyl beneath modern vinyl & screed - Vinyl with paper backing	4 m²	Low damage - A few scratches or surface marks, broken edges on boards, tiles etc.	Enclosed sprays and lagging, AIB with exposed face painted r encapsu ed, asb tos ce nts sheets etc	S007/39908	Chrysotile	5	Remove
1st Floor	009	Bathroom	Paper backed vinyl beneath modern vinyl - Vinyl with paper backing	5 m²	High damage or delaminati of materials, pray and therm I insulation. Vi le asbestos deb	Enclos p s and laggi AIB with expos face painted or sulated, be ments sheets etc	007/39908	Chrysotile	7	Remove

	U 126 & 127									
Floor	CES Location Number	Room Name	Material	Extent pprox.)	Condition	Surface Treatment	Sample Number	Asbestos Type	Material Score	Recommended Action
External	099	External	Cement panels to IIs of electric cupboard Cement Product	Ē	Me ium damage significant breakage of materials or several small areas where material has been damaged revealing loose asbestos fibres	Enclosed sprays and lagging, AIB with exposed face painted or encapsulated, asbestos cements sheets etc	SP001	Presumed 3	7	Remove

#### Client: Kainga Ora Homes & Communities

Site: Units 126 & 127

					Units 126 &	& 127				
Floor	CES Location Number	Room Name	Material	Extent (approx.)	Condition	Surface Treatment	Sample Num r	Asbestos Type	Material Score	Recommended Action
External	099	External	Canopy to flat 127 - Cement Product	2 m²	Medium damage - significant breakage of materials or several small areas where material has been damaged revealing loose asbestos fibres	Enclosed sprays and lagging, AIB with expos face pain d or enca lated, bestos cem ts sheets	SP003	esumed 3	7	Remove
External	099	External	Fuses to electrics cupboard - Textile	1 no	Good condi n - No visible damage	Enclosed spr and lagging, AIB xposed fac pa capsulated, asbestos cements sheets etc	SP002	Presumed 1	4	Remove

Releasennati

## 4.1 Non-Asbestos Register

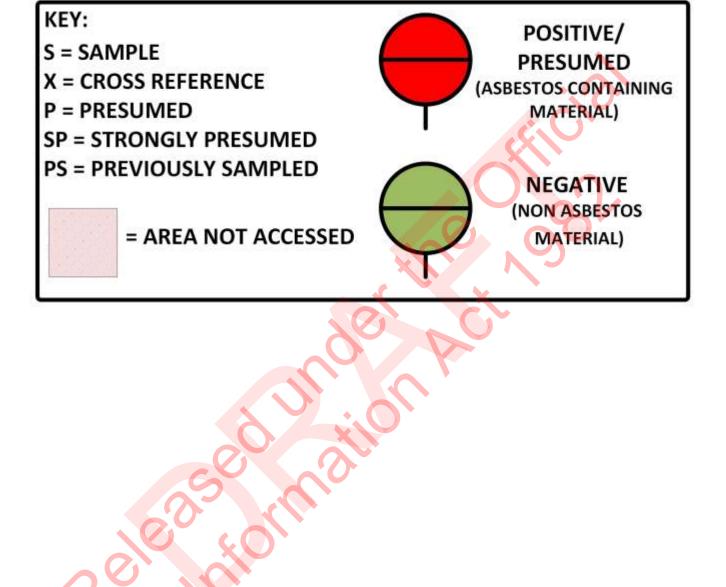
		Unit 12	6
Floor	CES Location Number	Room Name	Item / Material
Ground Floor	011	Ceilings	Textured coating : Plaster S-14249/S003 (NAD)
Ground Floor	012	Entrance	Doors and frames: Wood Walls: Plaster Board Walls behind plasterboard: Breeze Block
Ground Floor	012	Entrance	Residues to concrete beneath carpet: Paper S- 14249/S011 (NAD)
Ground Floor	012	Entrance	Switchboard : Bakeli -14249/X006 (NAD)
Ground Floor	013	Living/Bedroom	Doors and fram od Floor beneat arpet : crete Right sid wall: Plaster Boa Walls hip Board W s behind plasterboard: Breez lock
Ground Floor	014	Kitchen	rs and ames: Wood Gas sink: Chip Board Walls: P er Board Walls behin lasterboard: Breeze Block
Ground Floor	014	Kitchen	Panel to e of oven area : Insulation board S- 14249/X008 (NAD)
Ground Floor	014	chen	Skim to ceiling : Plaster S-14249/X004 (NAD)
Ground Floor	015	room	Bath panel: Hardboard Doors and frames: Wood Laminated panels to bath surround and behind sink: Hardboard Walls: Plaster Board Walls behind plasterboard: Breeze Block
Ground Floor	015	throom	Skim to ceiling : Plaster S-14249/S004 (NAD)
Throughout	010	Throughout	Framework : Wood Framework to right side wall: Metal
Throughout	010	Throughout	Joint compound to walls throughout : Plaster S- 14249/S002 (NAD)
Throughout	010	Throughout	Lining paper to right side wall behind framework : Bitumen paper S-14249/S014 (NAD)
Throughout	010	Throughout	Packers to framework : Bitumen/tar S-14249/X005 (NAD)

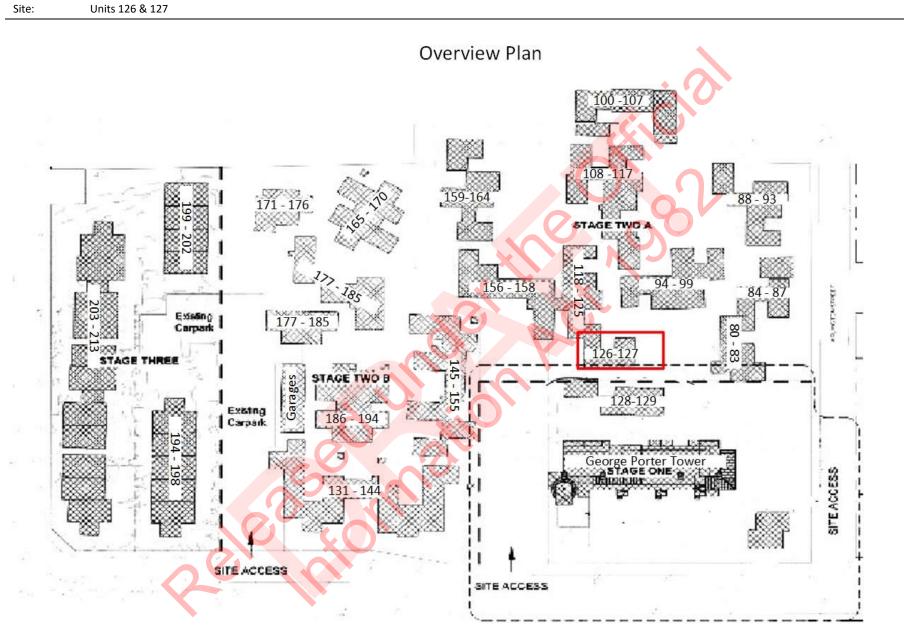
		Unit 12	7
Floor	CES Location Number	Room Name	ltem / Material
1st Floor	002	Entrance	Doors and frames: Wood Floor beneath carpet : Concrete Walls: Plaster Board Walls behind plasterboard: Breeze Block
1st Floor	002	Entrance	Switchboard : Bakelite S-14249/S006 (NAD)
1st Floor	003	Bedroom 1	Doors and frames: Wood Floor beneath carpet : Concrete Walls: Plaster Board Walls behind plaste ard: Breeze Block
1st Floor	004	Bedroom 2	Doors and f mes: Woo Floor b ath carpet : Conc e Wall laster Board W Is behind plasterboard: Breeze lock
1st Floor	005	Bedroom 3	D a rames: Wood Floor neath carpet : Concrete Walls: Pl r Board Walls behind sterboard: Breeze Block
1st Floor	006	allway	Doors and frames: Wood Floor beneath carpet : Concrete Walls: Plaster Board Walls behind plasterboard: Breeze Block
1st Floor	007	Living m	Boiler year 1997: Modern Doors and frames: Wood Floor beneath carpet : Concrete Walls: Plaster Board Walls behind plasterboard: Breeze Block
1st Floor	00	Kitchen	Doors and frames: Wood Gasket to sink: Chip Board Walls: Plaster Board Walls behind plasterboard: Breeze Block
1st Floor	008	Kitchen	Panel to side of oven area : Insulation board S- 14249/S018 (NAD)
1st Floor	009	Bathroom	Bath panel: Hardboard Doors and frames: Wood Laminated panels to bath surround and behind sink: Hardboard Walls: Plaster Board Walls behind plasterboard: Breeze Block
1st Floor	016	Ceiling	Ceiling : Chip Board

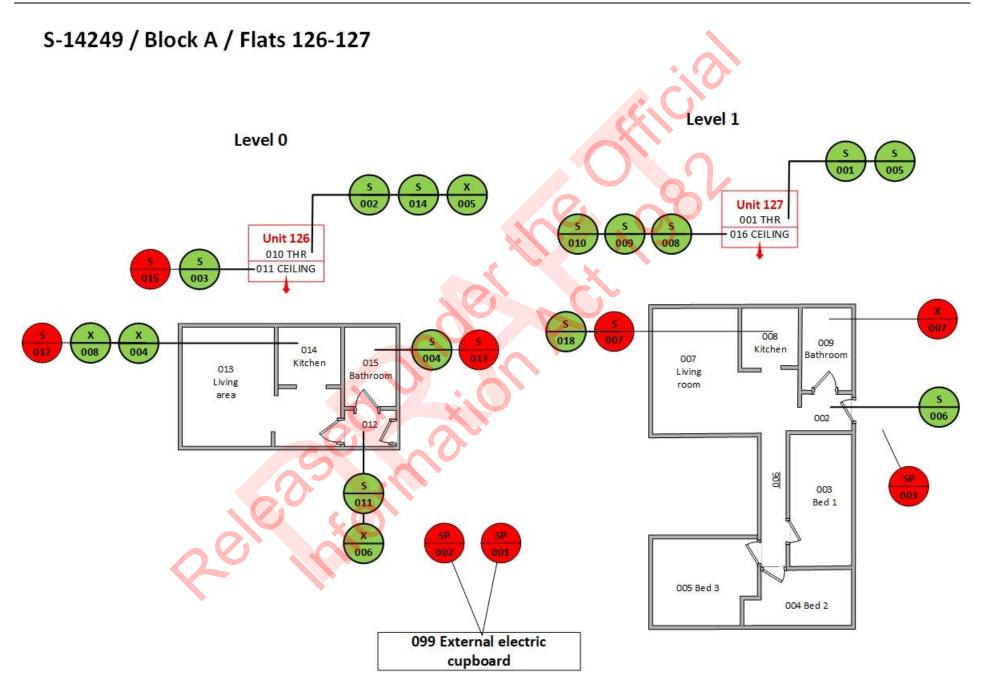
Unit 127					
Floor	CES Location Number	Room Name	Item / Material		
1st Floor	016	Ceiling	Dust to lining paper above chipboard ceiling : Dust and debris S-14249/S008 (NAD)		
1st Floor	016	Ceiling	Foil lining paper above chipboard ceiling : Bitumen paper S-14249/S010 (NAD)		
1st Floor	016	Ceiling	lining paper above chipboard ceiling : Bitumen paper S- 14249/S009 (NAD)		
Throughout	001	Throughout	Framework : Wood		
Throughout	001	Throughout	Joint compound to wal hroughout : Plaster S- 14249/S001 (NAD)		
Throughout	001	Throughout	Packers to fram Bitumen/tar S-14249/S005 (NAD)		

Units 126 & 1 7						
Floor	CES Location Number	Room Name	Item / Material			
External	099	External	Bitumen ating to blockwork : Bitumen/tar S- 14249/S01 NAD)			
External	099	External	sion joint to blockwork : Mastic S-14249/S017 (NAD)			

## 5.0 FLOOR PLANS







## 6.0 CERTIFICATES OF ANALYSIS



Report Number S-14249/37184 26/08/2020

Kainga Ora Homes & Communities PO Box 2628 Wellington 6140

#### IDENTIFICATION OF ASBESTOS IN A BULK SAMPLE

Samples received on 17/06/2020 & 17/08/2020 from Units 126 & 127. Sampled by Paul Dupree on 16/06/2020 & 17/08/2020

#### Results

Sample # & DOA	Sample Details	Analytical Results
37184 23/06/20	S001 - Throughout - Plaster - Joint compound to walls throughout	No Asbestos Detected
37185 23/06/20	S002 - Throughout - Plaster - Joint compound to walls throughout	No Asbestos Detected
37186 23/06/20	S003 - Ceilings - Plaster - Textured coating	No Asbestos Detected
37187 23/06/20	S004 - Bathroom - Plaster - Skim to ceiling	No Asbestos Detected
39906 26/08/20	S005 - Throughout - Bitumen/tar - Packers to framework	No Asbestos Detected
39907 26/08/20	S006 - Entrance - Bakelite - Switchboard	No Asbestos Detected
39908 26/08/20	S007 - Kitchen - Vinyl with paper backing - Paper backed vinyl beneath modern vinyl	Chrysotile
39909 26/08/20	S008 - Ceiling - Dust and debris - Dust to lining paper above chipboard ceiling	No Asbestos Detected
39910 26/08/20	S009 - Ceiling - Bitumen paper - lining paper above chipboard ceiling	No Asbestos Detected
39911 26/08/20	S010 - Ceiling - Bitumen paper - Foil lining paper above chipboard ceiling	No Asbestos Detected
39912 26/08/20	S011 - Entrance - Paper - Residues to concrete beneath carpet	No Asbestos Detected

"CCREDITES

All tests reported herein have been performed in accordance with the laboratory's scope of accreditation

Capital Environmental Services (2005) Ltd P.O. Box 38-328 Wellington Mail Centre 5045 Report No 5-14249/37184

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Sample # & DOA	Sample Details	Analytical Results
39913 26/08/20	S012 - Kitchen - Paper - Residues to concrete beneath modern vinyl	Chrysotile
39914 26/08/20	S013 - Bathroom - Paper - Residues to concrete beneath modern vinyl	Chrysotile
39915 26/08/20	S014 - Throughout - Bitumen paper - Lining paper to right side wall behind framework	No Asbestos Detected
39916 26/08/20	S015 - Ceiling - Textured coating - Textured coating to concrete ceiling	Chrysotile
39917 26/08/20	S016 - External - Bitumen/tar - Bitumen coating to blockwork	No Asbestos Detected
39918 26/08/20	S017 - External - Mastic - Expansion joint to blockwork	No Asbestos Detected
39919 26/08/20	S018 - Kitchen - Insulation board - Panel to side of oven area	No Aspestos Detected

This report may not be reproduced, except in full. Results pertain to sample "as received".

In-house Method: Based on Australian Standard: AS 4964-2004, Method for the identification of asbestos in bulk samples and HSG 248 The Analyst Guide for sampling, analysis and clearance procedures (2005).

Asbestos types: Amosite or Brown asbestos, Crocidolite or Blue asbestos, Chrysotile or White asbestos, fibrous Anthophyllite, Actinolite, and Tremolite.

Interpretations and opinions expressed in this report are outside the terms of this Laboratory's Accreditation. DOA: Date of Analysis. Noted for each sample below the sample number.

\*Asbestos is a hazard. Provided it is incorporated into a stable matrix and no airborne dust is produced it presents minimal health risk. Any asbestos detected follows the definition of "asbestos" (even as a contaminant) in The Health and Safety at Work (Asbestos) Regulations 2016. Where present "A" denotes an amendment and this report supercedes the original report number.



#### 9(2)(a)

Reported By: Stacey Innes Laboratory Supervisor

PCCREDITED

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All tests reported herein have been performed in accordance with the laboratory's scope of accreditation

Capital Environmental Services (2005) Ltd P.O. Box 38-328 Wellington Mail Centre 5045 Report No 5-14249/37184 2-4 Bell Road South Gracefield Lower Hutt Telephone 04-566 3311 Fax 04-566 3312 Email enquiries@fibres.co.nz www.fibres.co.nz Page 2 of 2

## 7.0 APPENDICES

## 7.1 Survey Extent and Limitations

The survey has been undertaken with all due care and diligence using staff with suitable and sufficient experience. There remains, however, the possibility that there may be further or concealed asbestos containing materials within the fabric of the building that were not located and identified. These areas of asbestos may only become apparent during further investigation (such as full invasive works, or multiple points of access to the same location). All areas at the site which have not been accessed, including areas not identified in report sections; Summary of Asbestos Locations, No Access Areas, and Full Survey/Building Register, should be presumed to contain asbestos until further investigation and sampling proves otherwise. The quantity of asbestos-containing materials listed as part of the Asbestos Register is an approximation only and should not be used for coving purposes.

All areas at the site which have not been accessed **should be pre umed contain asbestos until further investigation and sampling proves otherwise.** A Man gement Surve is not sufficient for **Refurbishment or Demolition purposes.** This report has b en prepared by Cap I Environmental Services (2005) Ltd (CES) on the specific instructions of r Client. It is solely for our Client's use for the purpose for which it is intended in accordance with agree cope of work. Any use or reliance by any person contrary to the above, to which CES has no i n its prior written consent, is at that person's own risk.

## 7.2 Material Assessment Score

Each of the parameters given below are assessed during material risk assessment.

Sample Variable	Score	Examples
Product Type (Or debris from product)	1 (Low)	Asbestos-reinforced composites (plastics, resins, mastics, roofing felts, vinyl floor tiles, semi- rigid paints or decorative finishes, asbestos cement etc).
nomproducty	2 (Medium)	AIB, millboards, other low-density insulation boards, asbestos textiles, gaskets, ropes and woven textiles, asbestos paper and felt.
	3 (High)	Thermal insulation (eg pipe and boiler lagging sprayed asbestos, loose asbestos, asbestos mattresses and packing
Surface Treatment	0 (None)	Composite materials containing asbe s inforced plastics, resins, vinyl tiles
	1 (Low)	Enclosed sprays & lagging, A (with exposed face inted or encapsulated) asbestos ce ents sheets etc.
	2 (Medium)	Unsealed AIB, textiles ncapsul ed lagging and sprays.
	3 (High)	Unsealed lagging and spray, se asbestos.
Extent of	0 (None)	Good cond on visible damag
Damage	1 (Low)	Low damage few scra h r surface marks, broken edges on boards, tiles e
	2 (Medium)	Med m damage ignificant breakage of materials or several small areas here mate I has been damaged revealing loose asbestos fibre
	3 (High)	igh damage or delamination of materials, sprays and thermal insulation. Visible asbestos debris.
Asbestos Typ	0	No bestos detected.
	1	Chrysotile.
	2	Amphibole asbestos excluding Crocidolite.
	3	Crocidolite.

Source: Health and Safety Executive (HSE), UK: Asbestos: The Survey Guide Second Edition (2012)

The Material Assessment score is calculated by adding the parameters above. The potential for releasing fibres is detailed below.

Material Assessment Score	Fibre Release Potential
10 or higher	High
7 – 9	Medium
5 – 6	Low
4 or lower	Very Low

The material assessment looks at the type and condition of the ACM and the ease with which it will release fibres if disturbed. It does not take into account occupancy or activities within the area, including periodic maintenance works.

## 7.3 Glossary of Terms & Abbreviations

6

The following is a list of the different asbestos types:

Name	Description
Chrysotile	White Asbestos
Amosite	Brown Asbestos
Crocidolite	Blue Asbestos
Tremolite	Fibrous forms of these minerals may be found very o sionally during
Anthophyllite	sample analysis. *For the purposes o his survey where t e materials are
Actinolite	found they will be reported as a estiform m neral fibres.

The following terms, abbreviations and acronyms may appeen the text of this report:

Abbreviation	Meaning
AIB	Asbestos Insulating Bo d (eg. m l b d)
AC	Asbestos C ent (eg. bo r corrugated, roof)
CAF	Comp ssed As stos Fibr relating to gaskets
NAD	N Asbestos D ected
OF	Org cFib e
SMF	Syntheti Mineral Fibre

### 7.4 General Asbestos Information

All forms of asbestos are hazardous, and all can cause illness; Asbestos is classified as an A1 Carcinogen. Asbestos minerals consist of thin, separable fibres that have a parallel arrangement. Amphibole asbestos fibres are generally brittle and have a rod or needle-like shape, whereas Chrysotile asbestos fibres are flexible and curved. Chrysotile (White asbestos), is currently the predominant commercial form of asbestos; while Amosite (Brown asbestos) and Crocidolite (Blue asbestos) have been used extensively in the past. Asbestos fibres do not have any detectable odour or taste. They do not dissolve in water or evaporate and are resistant to heat, fire, chemical and biological degradation. Because of these properties, asbestos has been mined for use in a wide range of manufactured products, mostly in building materials, friction products, and heat-resistant fabrics. Such materials were in use in New Zealand from the early 1900's until the Lee 1980's, however, there is still some evidence that asbestos containing building materials are Lbeing imported into New Zealand.

You are most likely to be exposed to asbestos by breathing in sbestos fibres t are suspended in air. These fibres can come from naturally occurring deposit of asbestos or from the earing down or disturbance of manufactured products. Examples of asb stos contai ng products that are commonly found today include fibrous cement products (corruga d ro ng, exterior cladding, soffits and shingles), pipe and boiler laggings, insulation board (mill boa ), textured paint, decorative textured ceiling coatings, floorings materials, auto mo brakes and clu es and electrical switchboards and wiring.

### 7.5 Reference Documents

Health and Safety at Work (Asb tos) R ulations 016.

NZ WorkSafe Approved C e of Practi Managemen and Removal of Asbestos Nov 2016

NZ WorkSafe Good Practice Gu nes Conducting Asbestos Surveys Oct 2016

HSE UK HSG2 Asbestos: e survey uide, 2012

Client: Kainga Ora Homes & Communities Site: Units 126 & 127

## 7.6 Full Survey/Building Register

Unit 126							<u></u>		
Floor	CES Location Number	Room	Location Accessed	Reason for No Access Inaccessible Areas / General Room Comment	Material Type and Description	Samp mber	Asbestos Type	Recommended Action	Photo
Throughout	010	Throughout	Yes		Joint compound to Is throughout : Pla	\$002/37185	NAD	No Recommendation required	
Throughout	010	Throughout	Yes		Lini paper to right sid wall d fram work : Bit pape	S01 39915	NAD	No Recommendation required	
Throughout	010	Throughout	Yes		Packers to f mework : n/tar	X005/39906	NAD	No Recommendation required	
Ground Floor	011	Ceilings	Yes	esent to entrance a living	Textured coating : Plaster	S003/37186	NAD	No Recommendation required	~
Ground Floor	011	Ceiling	Yes		Textured coating to concrete ceiling: Textured coating	S015/39916	Chrysotile	Remove	
Ground Floor	012	Entrance	Yes		Residues to concrete beneath carpet: Paper	S011/39912	NAD	No Recommendation required	

Client: Kainga Ora Homes & Communities

Site: Units 126 & 127

Report No: S-14249

Unit 126									
Floor	CES Location Number	Room	Location Accessed	Reason for No Access Inaccessible Areas / General Room Comment	Material Type and Description	Sample Nu er	Asbestos Type	Recommended Action	Photo
Ground Floor	012	Entrance	Yes		Switchboard : Bakelite	X006/39907	AD	No Recommendation required	
Ground Floor	013	Living/Bedr oom	Yes		Doors and frames Wood Floor beneath carpet : Co Righ ide wa ster Board Walls: p B rd Walls be d plasterboa : Breeze Block	C			
Ground Floor	014	Kitchen	Yes	25000	Residues to concrete beneath modern vinyl & screed: Paper	S012/39913	Chrysotile	Remove	
Ground Floor	014	Kitchen	Yes		Skim to ceiling : Plaster	X004/37187	NAD	No Recommendation required	

Client: Kainga Ora Homes & Communities

Unit 126									
Floor	CES Location Number	Room	Location Accessed	Reason for No Access Inaccessible Areas / General Room Comment	Material Type and Description	Sample Nu er	Asbestos Type	Recommended Action	Photo
Ground Floor	014	Kitchen	Yes		Panel to side of oven area : Insulation board	X008/39909	AD	No Recommendation required	Leep
Ground Floor	015	Bathroom	Yes		Skim to ceiling : Plaster	5004/37187	NAD	No Recommendation required	-
Ground Floor	015	Bathroom	Yes		Residues concrete beneath m dern vinyl : Paper	S013/39914	Chrysotile	Remove	

					2				
Unit 127				2					
Floor	CES Location Number	Room	Location Accessed	ason for No Access In essible Areas / Ge ral Room mment	Material Type and Description	Sample Number	Asbestos Type	Recommended Action	Photo
Throughout	001	Throughout	Yes		Joint compound to walls throughout : Plaster	S001/37184	NAD	No Recommendation required	K

Client: Kainga Ora Homes & Communities

Unit 127									
Floor	CES Location Number	Room	Location Accessed	Reason for No Access Inaccessible Areas / General Room Comment	Material Type and Description	Sample Nu er	Asbestos Type	Recommended Action	Photo
Throughout	001	Throughout	Yes		Packers to framework : Bitumen/tar	s005/39906	AD	No Recommendation required	
1st Floor	002	Entrance	Yes		Swit hboard : Bakelite	S006/39907	NAD	No Recommendation required	
1st Floor	003	Bedroom 1	Yes		Doors d fra s: Wood Floor ben th carpet : Concrete Walls: Plaste Board Walls b nd plasterboard: Breeze Block				
1st Floor	004	Bedroom 2	Yes		Doors and frames: Wood Floor beneath carpet : Concrete Walls: Plaster Board Walls behind plasterboard: Breeze Block				
1st Floor	005	Bedroom 3	Yes		Doors and frames: Wood				

Client: Kainga Ora Homes & Communities

Unit 127									
Floor	CES Location Number	Room	Location Accessed	Reason for No Access Inaccessible Areas / General Room Comment	Material Type and Description	Sample Nu er	Asbestos Type	Recommended Action	Photo
					Floor beneath carpet : Concrete Walls: Plaster Board Walls behind plasterboard: Bree Block		202		
1st Floor	006	Hallway	Yes		Doors and frames: Wo d Flo ben carpet : Conc te Walls: aster B rd Walls be n plasterbo d: Breeze Block	Ċ			
1st Floor	007	Living room	Yes	000000	Boiler y r 1997: Modern Doors and frames: Wood Floor beneath carpet : Concrete Walls: Plaster Board Walls behind plasterboard: Breeze Block				

Client: Kainga Ora Homes & Communities

Site: Units 126 & 127

Report No: S-14249

11-4 127									
Unit 127 Floor	CES Location Number	Room	Location Accessed	Reason for No Access Inaccessible Areas / General Room Comment	Material Type and Description	Sample Nu er	Asbestos Type	Recommended Action	Photo
1st Floor	008	Kitchen	Yes		Paper backed vinyl beneath modern vinyl & screed: Vinyl with pap backing	5007/39908	hrysotile	Remove	
1st Floor	008	Kitchen	Yes		Panel to side of oven are sulation board	5018/39919	NAD	No Recommendation required	Le .
1st Floor	009	Bathroom	Yes		Paper ba d vinyl beneath m dern vinyl: Vinyl with p er backing	X007/39908	Chrysotile	Remove	
1st Floor	016	Ceiling	Yes	0.050	Dust to lining paper above chipboard ceiling : Dust and debris	S008/39909	NAD	No Recommendation required	-
1st Floor	016	Ceiling	Yes		lining paper above chipboard ceiling : Bitumen paper	S009/39910	NAD	No Recommendation required	No.

Client: Kainga Ora Homes & Communities

Unit 127			.0	•					
Floor	CES Location Number	Room	Location Accessed	Reason for No Access Inaccessible Areas / General Room Comment	Material Type and Description	Sample Nu er	Asbestos Type	Recommended Action	Photo
1st Floor	016	Ceiling	Yes		Foil lining paper above chipboard ceiling : Bitumen paper	s010/39911	AD	No Recommendation required	V
							9		

Units 126	& 127					X			
Floor	CES Location Number	Room	Location Accessed	Reason for No Access Inaccessible Areas / General Room Comment	Mat al Type an Descr ion	Sample Number	Asbestos Type	Recommended Action	Photo
External	099	External	Yes		Bitumen cong to kwork : Bitumen/tar	S016/39917	NAD	No Recommendation required	· 1/. + ·
External	099	External	Yes	edstown	Expansion joint to blockwork : Mastic	S017/39918	NAD	No Recommendation required	
External	099	External	Yes		Cement panels to walls of electric cupboard : Cement Product	SP001	Presumed 3	Remove	

Client: Kainga Ora Homes & Communities

Site: Units 126 & 127

Units 126	& 127		$\cdot$						
Floor	CES Location Number	Room	Location Accessed	Reason for No Access Inaccessible Areas / General Room Comment	Material Type and Description	Sample Nu er	Asbestos Type	Recommended Action	Photo
External	099	External	Yes		Fuses to electrics cupboard : Textile	SP002	esumed 1	Remove	
External	099	External	Yes		Canopy to flat 127: Ce Product	SP003	Presumed 3	Remove	