

# Physical characteristics of new non-residential buildings 2022

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## Preface

This is the eighth annual report providing the results of the BRANZ Non-Residential Survey. BRANZ surveys builders and designers of non-residential buildings on the physical characteristics of the building. The purpose is to obtain data on non-residential buildings that is not available from official sources. This data includes what type of materials are used. The data is useful for studies in the fields of sustainability, energy efficiency, durability and engineering.

## Acknowledgements

This work was funded by the Building Research Levy. We would like to thank all of the builders and designers who filled in the survey form and returned it to BRANZ.

# Physical characteristics of new non-residential buildings 2022

## BRANZ Study Report SR499

### Authors

Nic Guerrero and Orin Lockyer

### Reference

Guerrero, N. & Lockyer, O. (2025). *Physical characteristics of new non-residential buildings 2022* (BRANZ Study Report SR499). BRANZ Ltd.

### Abstract

Official data on the characteristics of non-residential buildings is limited. Building consent data held by Stats NZ gives numbers by building type, value and floor area, aggregated into territorial authorities and regions. However, there is no data on materials used.

BRANZ began surveying builders and designers in 1998 to obtain data on materials used. We have since compiled a database of approximately 400 non-residential buildings per year containing information on the materials used by building component.

This report contains the results of these surveys on the materials used in new non-residential buildings. The aim is to provide information useful to building material manufacturers, retailers/wholesalers, builders, designers, researchers, and government officials.

### Keywords

Materials, building envelope, claddings, floors, framing, insulation.

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# 1. Introduction

BRANZ surveys about 2,000 non-residential buildings per year in the BRANZ Non-Residential Survey. The survey also collects a variety of data on materials used in new and altered residential buildings.

The survey is a postal survey to the builder or designer identified on the building consent application form, and the questions relate to each individual consent. Generally, 400 returns are received each year. An incentive is offered (a Lotto ticket or book voucher) for the return of each survey form.

The consent information is obtained from the Whats On<sup>1</sup> building consent data. BRANZ uses this to determine a sample of non-residential buildings for each period from 31 territorial authorities. The territorial authorities surveyed are:

Auckland	Christchurch	Dunedin	Franklin
Far North	Gisborne	Hutt City	Hamilton
Invercargill	Kapiti	Manukau	Marlborough
Napier	New Plymouth	North Shore	Porirua
Palmerston North	Queenstown	Rodney	Southland
Tauranga	Thames-Coromandel	Tasman	Waikato
Waipa	Wellington	Western Bay of Plenty	Whangarei
Waitakere			

The survey form is constantly evolving to include new questions as required. However, it is important for BRANZ to keep the survey form as simple, concise and clear as possible. Therefore, BRANZ keeps the survey form to a single page.

BRANZ weights the responses by the share of building activity for each building type in the calculation of the market share. This prevents some building types (such as farm buildings) from having a disproportionate share of the total market share should BRANZ receive a larger number of survey returns of one building type.

Using the data collected, representative estimates of the incidence and proportions of many different materials can be made. The components analysed are:

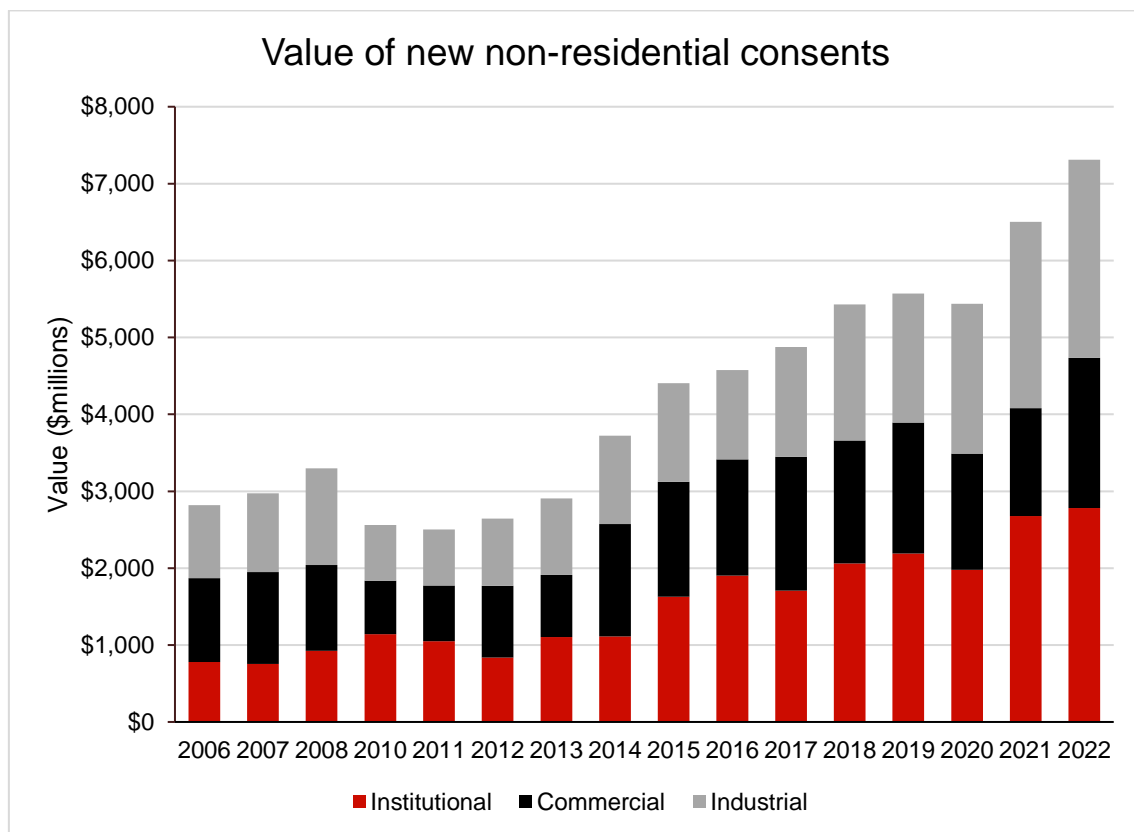
- roof claddings
- wall claddings
- main structure
- partition wall framing
- wall infill framing
- wall insulation
- ceiling insulation
- floor insulation.

<sup>1</sup> *Whats-On report (Monthly)*. BCI New Zealand, Auckland, New Zealand.

A limitation of the survey is that it does not ask why certain materials are selected. This means that the report contains no commentary on why material trends might be changing.

The value of new non-residential consents is presented in

Figure 1 broken down into three different building types – institutional, commercial and industrial.



**Figure 1. Value of new non-residential consents.**

## 2. Summary

In general, many of the market shares of materials have been relatively steady over the years surveyed.

Sheet metal is the most popular roof cladding material (Figure 2). Steel, aluminium and other metals are the dominant wall cladding material due to their dominance on industrial and farm buildings (Figure 3). Concrete (mainly precast panels) tends to be variable. Steel remains the primary material for structural framing (Figure 4).

Steel is the most common material for infill framing – the framing between the main structural elements (Figure 5). The market share of timber partition wall framing, along with steel has decreased significantly (Figure 6). Meanwhile, the market share of 'other' partition wall framing options, which consists of insulated panels and glazing, has increased significantly and now dominates the market share of partition wall framing.

For insulation, 'polyester and other' insulation has surpassed fibreglass as the most popular wall and ceiling insulation. Polystyrene is still the most common insulation in insulated floors.



### 3. Main results

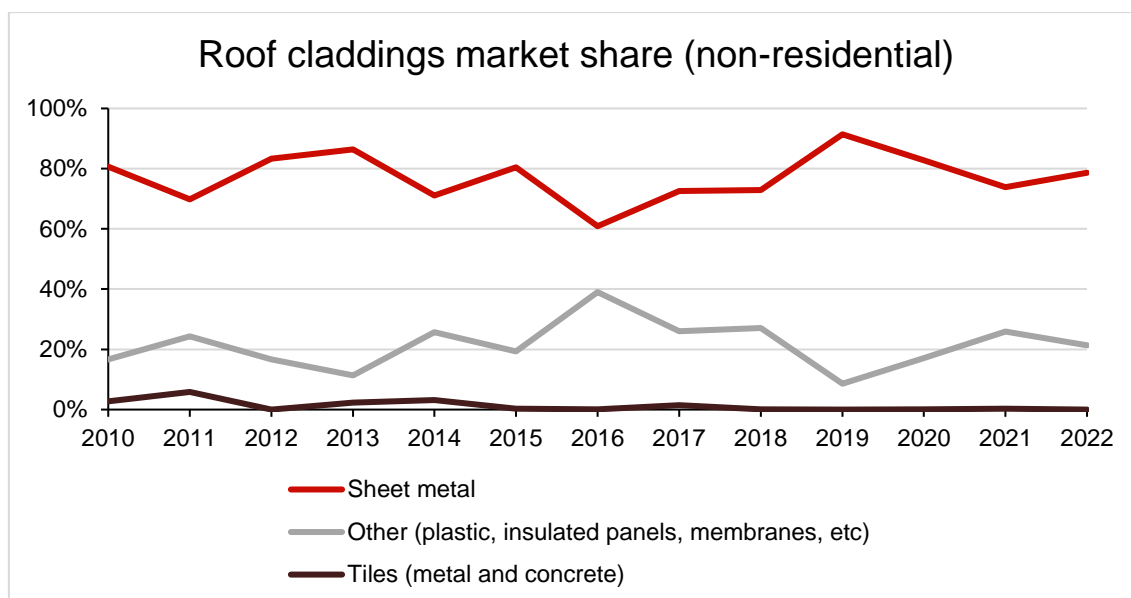
Key results are shown in the following charts. The data for these charts is in the tables in Appendix A.

Due to the variations in the mix of buildings year to year, market shares can be highly variable. Therefore, changes in share may be due to a change of building types rather than a change in preference for any particular building material.

#### 3.1 Roof claddings

Sheet metal is still the predominant roof cladding material for new non-residential buildings (Figure 2).

The 'other' category consists of membrane roofing, insulated panels and plastic film used on farm shelters. The 'other' category has decreased from 26% in 2021 to 21% in 2022. Metal and concrete tiles are still relatively uncommon in non-residential buildings and barely feature in the 2022 results.

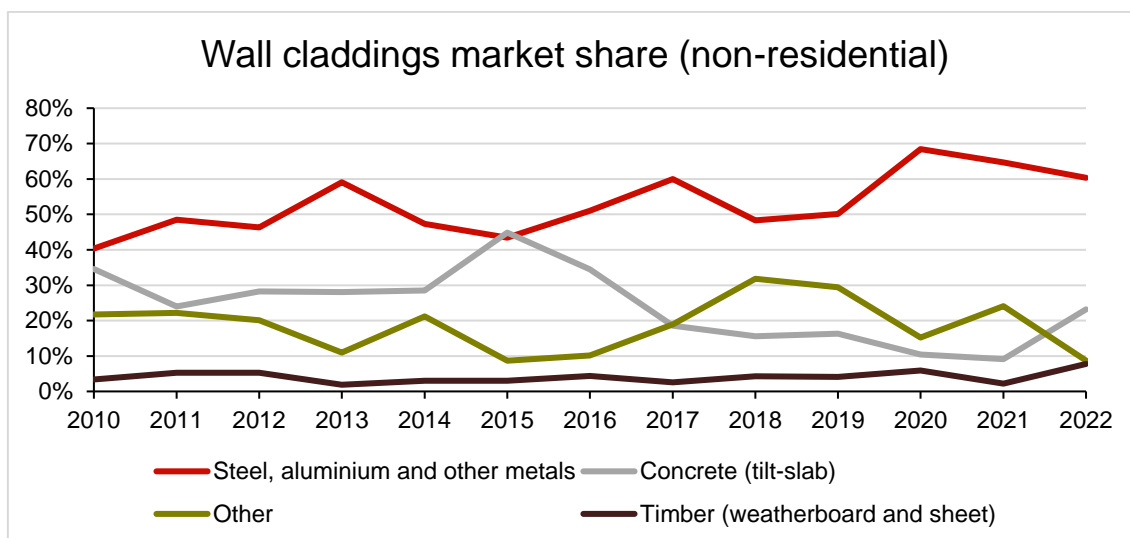


**Figure 2. Roof claddings market share.**

#### 3.2 Wall claddings

Steel, aluminium and other metals are the dominant wall cladding materials due in large part to their overrepresentation in the construction of industrial and farm buildings (Figure 3).

Concrete (mainly precast panels) tends to be variable, but the market share of concrete increased significantly in 2022, going from 9% the year prior to 23% (Figure 3). The 'other' category, which primarily consists of fibre cement products, decreased significantly in 2022.

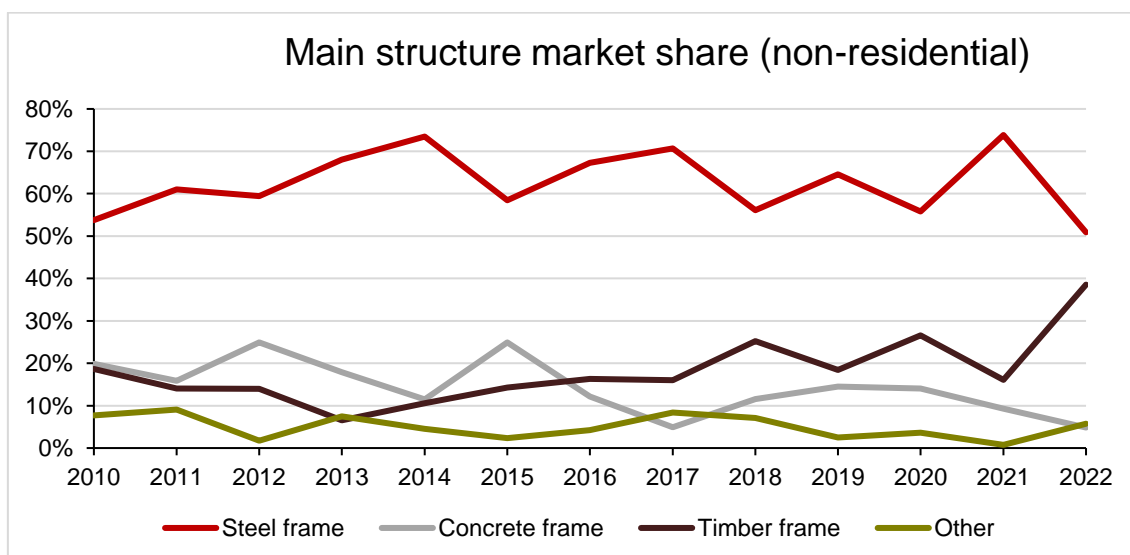


**Figure 3. Wall claddings market share.**

### 3.3 Main structure

Use of steel in main structural frames decreased significantly in 2022 (Figure 4). This is the lowest reported market share for steel framing since the creation of this survey.

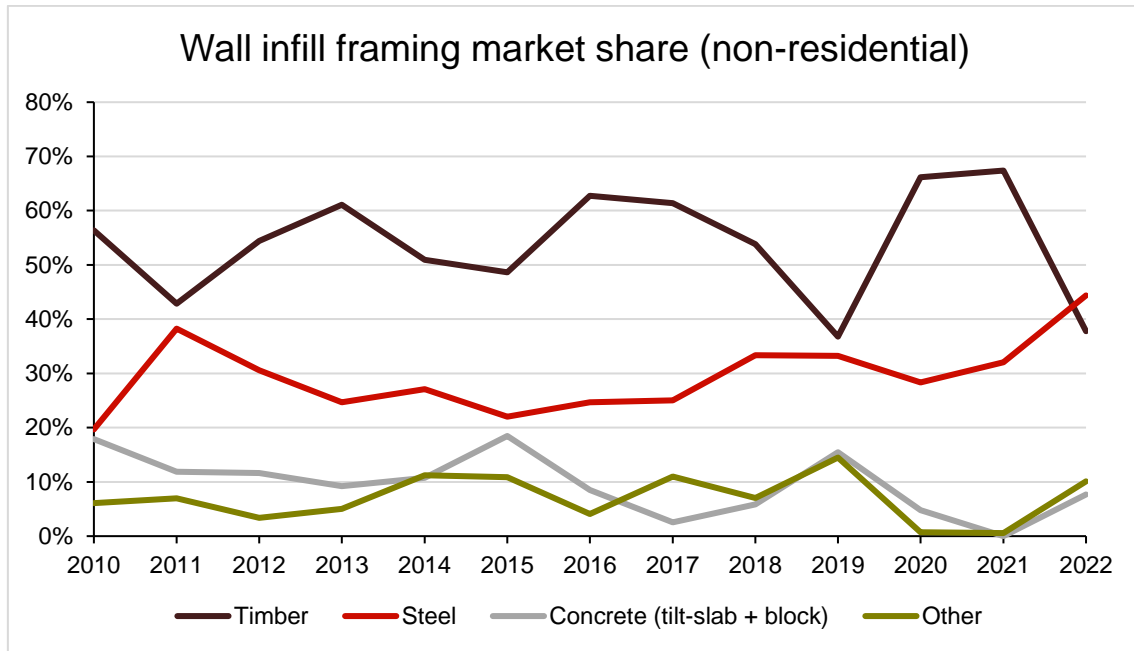
The use of concrete decreased slightly in 2022. However, timber framing increased significantly from 16% in 2021 to 39% in 2022. The 'other' category increased slightly in 2022.



**Figure 4. Main structure market share.**

### 3.4 Wall infill framing

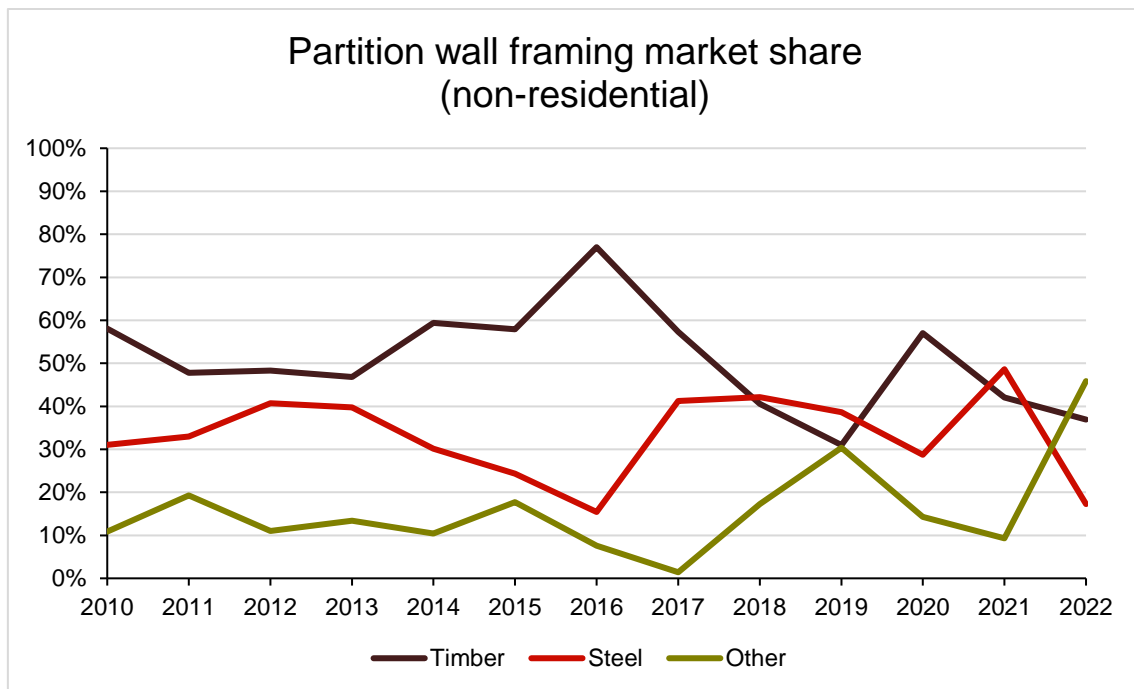
Wall infill framing is the framing between the main structural frames. Timber framing is no longer the predominant material type for this application as it has been surpassed by steel in 2022. The market share of steel increased slightly in 2021 (Figure 5). The market share of concrete has continued to decrease in 2021, while the 'other' category has remained the same. The 'other' category primarily consists of glazing.



**Figure 5. Wall infill framing market share.**

### 3.5 Partition wall framing

The market share of timber has continued to decline in 2022 (Figure 6). The 'other' category, which includes insulated panels and glazing, has increased significantly, going from 9% in 2021 to 46% in 2022 (Figure 6). The 'other' category has a greater market share than timber. The market share of steel has decreased significantly, going from 49% in 2021 to 17% in 2022 (Figure 6).



**Figure 6. Partition wall framing market share.**

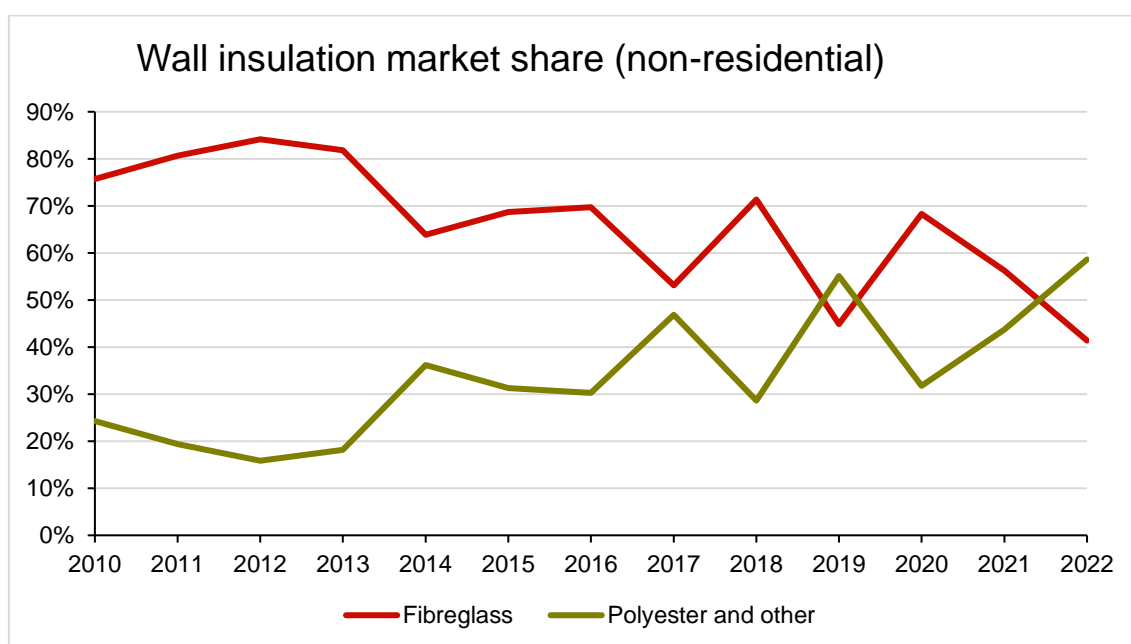
## 3.6 Insulation

Wall insulation, ceiling insulation and floor insulation are dealt with separately in this section.

Farm buildings have not been included as it is uncommon for farm buildings to use insulation and they have a large share of the non-residential building market.

### 3.6.1 Wall insulation

The market share of fibreglass decreased in 2022 and has been surpassed by polyester and other insulation materials (Figure 7). The market share of the 'polyester and other' category increased from 44% in 2021 to 59% in 2022.



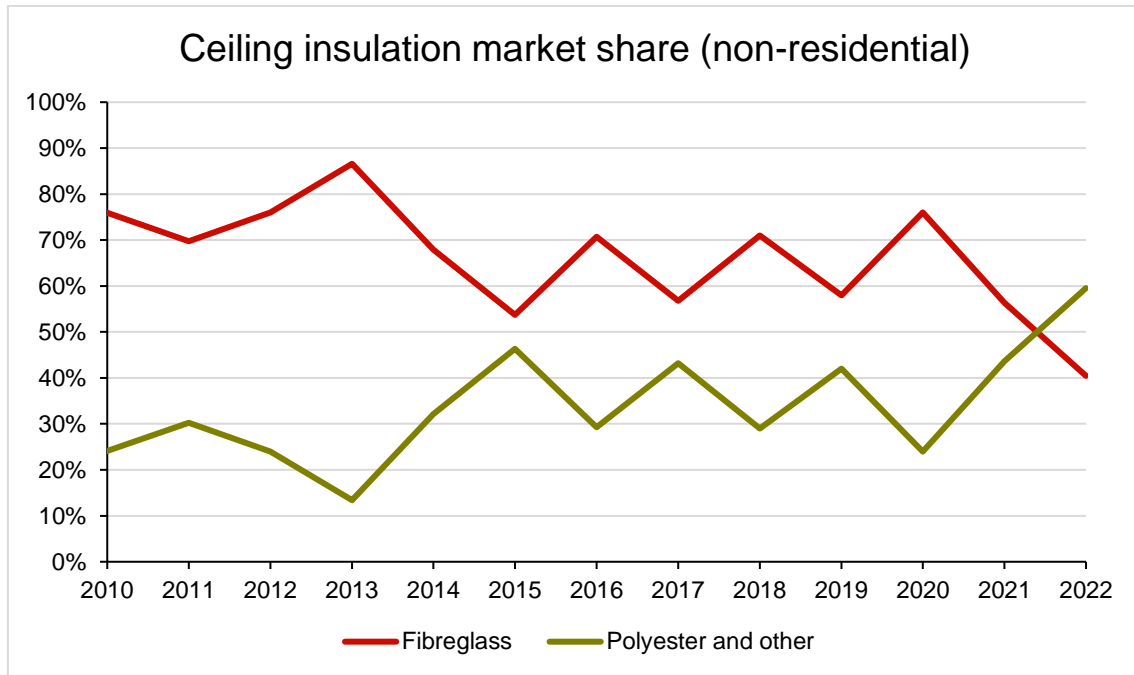
**Figure 7. Wall insulation market share.**

### 3.6.2 Ceiling insulation

Normally, most buildings use the same insulation material in the wall and ceiling, which means that market share in each market tends to follow the other.

As with walls, the market share of fibreglass has declined sharply while the market share of 'polyester and other' has increased significantly (Figure 8 from 44% in 2021 to 60% in 2022).

'Other' primarily consists of polystyrene, which is common as part of insulated panels in industrial buildings.

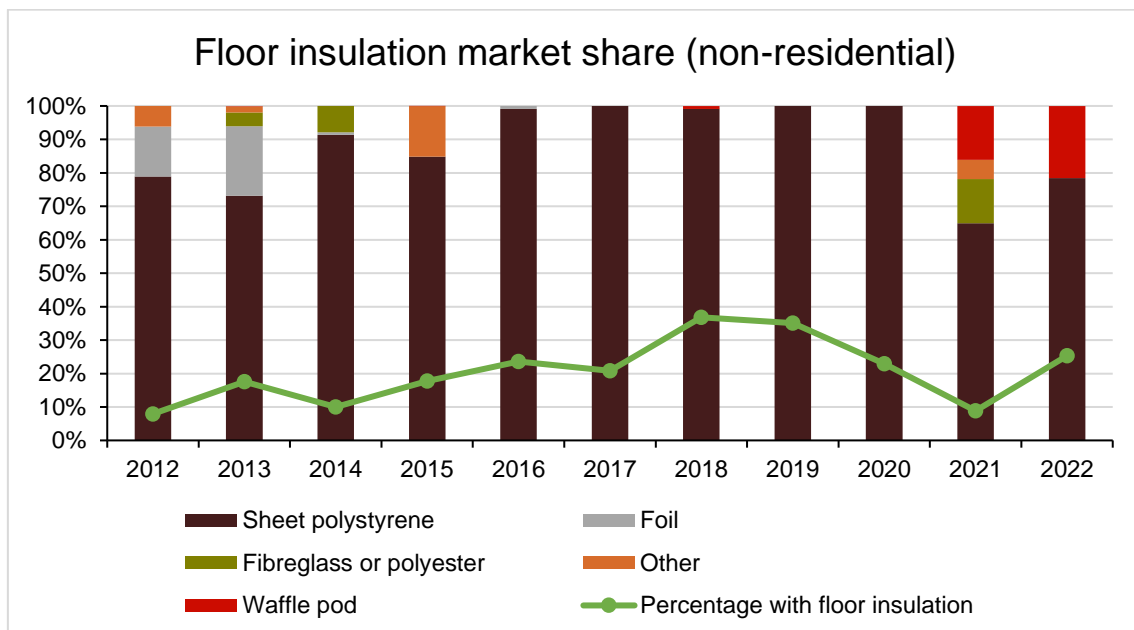


**Figure 8. Ceiling insulation market share.**

### 3.6.3 Floor insulation

For those buildings with floor insulation, sheet polystyrene is still the most common floor insulation material (Figure 9).

Note that the question on insulation of concrete slabs was changed in 2015. This chart assumes that all buildings that selected underslab full/partial used sheet polystyrene, although non-polystyrene waffle pod systems have entered the market. Waffle pod has increased from 18% in 2021 to 26% in 2022.



**Figure 9. Floor insulation.**

# Appendix A: Tables of data and survey forms

## A.1 Tables of data for the charts

**Table 1. Roof claddings market share.**

Roof claddings market share in new non-residential buildings													
Yearly Data 2010-2022													
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Sheet metal	81%	70%	83%	86%	71%	80%	61%	73%	73%	91%	83%	74%	79%
Tiles (metal and concrete)	3%	6%	0%	2%	3%	0%	0%	1%	0%	0%	0%	0%	0%
Other (plastic, insulated panels, membranes, etc)	17%	24%	17%	11%	26%	19%	39%	26%	27%	9%	17%	26%	21%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Note: Percentages weighted to allow for different building types

**Table 2. Wall claddings market share.**

Wall claddings market share in new non-residential buildings													
Yearly Data 2010-2022													
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Steel, aluminium and other metals	40%	49%	46%	59%	47%	43%	51%	60%	48%	50%	68%	65%	60%
Concrete (tilt-slab)	35%	24%	28%	28%	29%	45%	34%	19%	16%	16%	10%	9%	23%
Timber (weatherboard and sheet)	3%	5%	5%	2%	3%	3%	4%	3%	4%	4%	6%	2%	8%
Other	22%	22%	20%	11%	21%	9%	10%	19%	32%	29%	15%	24%	9%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Note: Percentages weighted to allow for different building types

**Table 3. Main structure market share.**

Main structure market share in new non-residential buildings													
Yearly Data 2010-2022													
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Concrete frame	20%	16%	25%	18%	11%	25%	12%	5%	12%	14%	14%	9%	5%
Steel frame	54%	61%	59%	68%	73%	58%	67%	71%	56%	65%	56%	74%	51%
Timber frame	19%	14%	14%	7%	11%	14%	16%	16%	25%	18%	27%	16%	39%
Other	8%	9%	2%	8%	4%	2%	4%	8%	7%	3%	4%	1%	6%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Note: Percentages weighted to allow for different building types

**Table 4. Wall infill framing market share.**

Wall infill framing market share in new non-residential buildings													
Yearly Data 2010-2022													
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Timber	56%	43%	54%	61%	51%	49%	63%	61%	54%	37%	66%	67%	38%
Concrete (tilt-slab + block)	18%	12%	12%	9%	11%	18%	9%	3%	6%	15%	5%	0%	8%
Steel	20%	38%	31%	25%	27%	22%	25%	25%	33%	33%	28%	32%	44%
Other	6%	7%	3%	5%	11%	11%	4%	11%	7%	14%	1%	1%	10%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Note: Percentages weighted to allow for different building types. Does not include farm buildings

**Table 5. Partition wall framing market share.**

Partition wall framing market share in new non-residential buildings																
Yearly Data 2010-2022																
	2006	2007	2008	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Steel	37%	36%	25%	31%	33%	41%	40%	30%	24%	15%	41%	42%	39%	29%	49%	17%
Timber	56%	59%	50%	58%	48%	48%	47%	59%	58%	77%	57%	41%	31%	57%	42%	37%
Other	7%	6%	25%	11%	19%	11%	13%	10%	18%	8%	1%	17%	30%	14%	9%	46%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%

Note: Percentages weighted to allow for different building types

**Table 6. Wall insulation market share.**

Wall insulation market share in new non-residential buildings													
Yearly Data 2010-2022													
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Fibreglass	76%	81%	84%	82%	64%	69%	70%	53%	71%	45%	68%	56%	41%
Polyester and other	24%	19%	16%	18%	36%	31%	30%	47%	29%	55%	32%	44%	59%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Note: Percentages weighted to allow for different building types													

Note: Percentages weighted to allow for different building types

**Table 7. Ceiling insulation market share.**

Ceiling insulation market share in new non-residential buildings													
Yearly Data 2010-2022													
	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Fibreglass	76%	70%	76%	87%	68%	54%	71%	57%	71%	58%	76%	56%	40%
Polyester and other	24%	30%	24%	13%	32%	46%	29%	43%	29%	42%	24%	44%	60%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
Note: Percentages weighted to allow for different building types													

Note: Percentages weighted to allow for different building types

**Table 8. Floor insulation market share.**

Floor insulation market share in new non-residential buildings											
Yearly Data 2010-2022											
	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Waffle pod	0%	0%	0%	0%	0%	0%	1%	0%	0%	18%	26%
Sheet polystyrene	79%	73%	91%	85%	99%	100%	94%	100%	100%	73%	93%
Foil	15%	21%	1%	0%	1%	0%	0%	0%	0%	0%	0%
Fibreglass or polyester	0%	4%	8%	0%	0%	0%	0%	0%	0%	15%	0%
Other	6%	2%	0%	15%	0%	0%	0%	0%	0%	6%	0%
TOTAL	100%	100%	100%	100%	100%	100%	100%	100%	100%	113%	119%
Percentage with floor insulation	8%	18%	10%	18%	24%	21%	37%	35%	23%	9%	25%
Note: Percentages weighted to allow for different building types											

Note: Percentages weighted to allow for different building types

**Table 9. Value of building consents by sector.**

Value of new non-residential consents (\$millions)																
Yearly data 2006-2022																
	2006	2007	2008	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Institutional	781	756	926	1,141	1,051	836	1,105	1,115	1,628	1,903	1,706	2,061	2,190	1,978	2,678	2,784
Commercial	1,089	1,191	1,115	695	722	933	808	1,461	1,496	1,513	1,742	1,601	1,705	1,510	1,404	1,948
Industrial	952	1,026	1,256	724	730	876	993	1,149	1,280	1,162	1,427	1,767	1,676	1,947	2,423	2,578
Total non-residential buildings	2,821	2,973	3,298	2,559	2,503	2,645	2,907	3,724	4,404	4,578	4,875	5,429	5,572	5,436	6,505	7,310

Source: Stats NZ

## A.2 Survey form March 2007

<b>NON-RESIDENTIAL BUILDINGS</b>																																													
Please give this form to the builder or designer to fill out for the building consent listed over the page. Contract value of work (incl sub-trades) \$ ..... incl GST.																																													
<b>Type of Building</b> ..... (state type) e.g. Office, school, farm building etc <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">tick</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">New</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Floor area</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... sqm</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Number of storeys</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Addition</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... sqm</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Average storey height</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....m</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Alteration</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... (describe alterations)</div> </div> </div>																																													
<b>Main Structure</b> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Concrete frame</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Timber frame</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Conc block</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Laminated wood</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... (state)</div> </div> </div>																																													
<b>Floor base material</b> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 25%;">Concrete .....sqm</div> <div style="width: 25%;">Particle Board .....sqm</div> <div style="width: 25%;">Plywood .....sqm</div> <div style="width: 25%;">Other (state) ..... sqm</div> </div>																																													
<b>Partition Wall Framing</b> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Timber</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Steel</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... (state)</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Other</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... (state)</div> </div> </div>																																													
<b>Amount of Timber Framing (only applicable if framing work is done)</b> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;"></th> <th style="width: 15%;">Cub metres</th> <th style="width: 10%;"></th> <th style="width: 15%;">Wall/floor area</th> <th style="width: 10%;"></th> <th style="width: 45%;">Sizes/spacing</th> </tr> </thead> <tbody> <tr> <td>Walls</td> <td style="border: 1px solid black; width: 30px; height: 20px;"></td> <td style="text-align: center;">or</td> <td style="border: 1px solid black; width: 30px; height: 20px;"></td> <td style="text-align: center;">with</td> <td style="border: 1px solid black; width: 100px; height: 20px;"></td> </tr> <tr> <td>Walls</td> <td style="border: 1px solid black; width: 30px; height: 20px;"></td> <td style="text-align: center;">or</td> <td style="border: 1px solid black; width: 30px; height: 20px;"></td> <td style="text-align: center;">with</td> <td style="border: 1px solid black; width: 100px; height: 20px;"></td> </tr> <tr> <td>Floors</td> <td style="border: 1px solid black; width: 30px; height: 20px;"></td> <td style="text-align: center;">or</td> <td style="border: 1px solid black; width: 30px; height: 20px;"></td> <td style="text-align: center;">with</td> <td style="border: 1px solid black; width: 100px; height: 20px;"></td> </tr> <tr> <td>Roof</td> <td style="border: 1px solid black; width: 30px; height: 20px;"></td> <td style="text-align: center;">or</td> <td style="border: 1px solid black; width: 30px; height: 20px;"></td> <td style="text-align: center;">with</td> <td style="border: 1px solid black; width: 100px; height: 20px;"></td> </tr> <tr> <td>Roof</td> <td style="border: 1px solid black; width: 30px; height: 20px;"></td> <td style="text-align: center;">or</td> <td style="border: 1px solid black; width: 30px; height: 20px;"></td> <td style="text-align: center;">with</td> <td style="border: 1px solid black; width: 100px; height: 20px;"></td> </tr> </tbody> </table> <div style="margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Example Walls</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">cum</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">and</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">sqm</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Roof</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">300 sqm with</div> </div> </div> <div style="margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">550sqm with</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">150x50mm @600 ctrs.</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">2000sqm with</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">100x50mm @450 ctrs.</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">300 sqm with</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">100x50mm truss @900 ctrs.</div> </div> </div> </div></div>											Cub metres		Wall/floor area		Sizes/spacing	Walls		or		with		Walls		or		with		Floors		or		with		Roof		or		with		Roof		or		with	
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<b>Secondary Wall Framing</b> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Radiata</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Steel</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Douglas fir</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Concrete block</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Other</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... (state) .....</div> </div> </div>																																													
<b>Timber treatment (for framing)</b> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Untreated kiln dry</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Untreated Wet</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">H1.2</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">T1.2 (orange)</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">H3.1</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> </div> <div style="margin-top: 5px;">State where used (eg outer walls, subfloor, etc) .....</div>																																													
<b>Building wraps</b> (tick one or more) <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Flamestop®</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Thermakraft</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Bitumac®</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Greencap</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Pauloid</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Black Paper</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Other (state)</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> </div>																																													
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<b>Wall cladding (only applicable if there is new wall cladding)</b> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Type .....</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">% area.....</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">e.g.</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">tilt slab, 60%</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> </div> <div style="margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Type .....</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">% area.....</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">concrete block, 15%</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">glazing, 10%</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> </div> <div style="margin-top: 5px;"> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Type .....</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">% area.....</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">fibre cement, 15%</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Total</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">100%</div> </div> </div> </div></div>																																													
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<div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Fibre Cement Product was used as</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Applied texture finish sheet,</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Flat sheet,</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">FC plank,</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">FC weatherboard/Linea</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> </div>																																													
<div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">If solid plaster, what backing?</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">(circle one if solid plaster)</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">fibre cement, plywood,</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">paper,</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Triple S,</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">block/brick,</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">metal lathe</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> </div>																																													
<b>Wet area linings (bathroom, kitchen, laundry etc)</b> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Formica Aquapanel</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... m2</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Seratone</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... m2</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Villaboard</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... m2</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Hardiglaze</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... m2</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">GIB</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... m2</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Aqualine</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... m2</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Other</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">..... (state) .....</div> </div> </div>																																													
<b>Roof cladding (only applicable if there is new roof cladding)</b> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Type .....</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....</div> </div> <div style="width: 30%;"> <div style="display: flex; align-items: center;"> <div style="text-align: right; padding-right: 5px;">Roof area</div> <div style="border: 1px solid black; width: 30px; height: 20px;"></div> </div> <div style="text-align: right; padding-right: 5px;">.....sq metres.</div> </div> </div> <div style="margin-top: 5px;">eg pre-coated steel shallow profile, trough steel profile, aluminum sheet, metal tiles, butyl rubber sheet, bitumen asphalt sheet, etc</div>																																													
<div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div style="width: 70%;">Thank You. Please fold this form, and freepost it in the return envelope</div> <div style="width: 30%;">Mar-07</div> </div>																																													



## A.3 Survey form November 2011

NON-RESIDENTIAL											
Please give this form to the builder or designer to fill out for the building consent listed over the page.											
Contract value of work (incl sub-trades) \$ ..... incl GST											
<b>Type of Building</b> ..... (state type) e.g. Office, school, farm building etc <div style="display: flex; justify-content: space-between;"> <div>           tick floor area            New <input type="checkbox"/> ..... sqm            Addition <input type="checkbox"/> ..... sqm            Alteration <input type="checkbox"/> ..... (describe alteration)         </div> <div>           Number of storeys: .....            Average storey height: ..... m         </div> </div>											
Are you claiming "green" building features? Yes / No If Yes, what type? .....											
<b>Main Structure</b> Concrete Frame <input type="checkbox"/> Timber Frame <input type="checkbox"/> Concrete block <input type="checkbox"/> LVL <input type="checkbox"/> Glulam <input type="checkbox"/> Steel Frame <input type="checkbox"/> Tilt Slab <input type="checkbox"/> Other (state) .....											
<b>Floor Base Material</b> Concrete ..... sqm Particle Board ..... sqm Plywood ..... sqm Other (state) ..... sqm If concrete, have any steel deck trays been used? Yes / No (circle one)											
<b>Partition Wall Framing</b> (tick one or more) Timber <input type="checkbox"/> Steel <input type="checkbox"/> Concrete <input type="checkbox"/> Other (state) .....											
<b>Wall Infill Framing (between main frame)</b> (tick one or more) Radiata <input type="checkbox"/> Steel <input type="checkbox"/> Douglas Fir <input type="checkbox"/> Concrete block <input type="checkbox"/> Other (state) .....											
<b>Prefabrication</b> Are any prefabricated components used? Yes / No If yes, describe applicable component(s) below: <div style="display: flex; justify-content: space-between;"> <div> <b>Prefab Frame</b> .....  <b>Prefab Walls</b> .....           </div> <div> <b>Prefab Floors</b> .....  <b>Prefab Other</b> .....           </div> </div>											
<b>Insulation</b> (tick one or more) <div style="display: flex; justify-content: space-between;"> <div>           Wall insulation <input type="checkbox"/> None <input type="checkbox"/> Batts <input type="checkbox"/> Gold <input type="checkbox"/> Fibreglass <input type="checkbox"/> Rocwool <input type="checkbox"/> Greenstuf (polyester) <input type="checkbox"/> Polyester <input type="checkbox"/> Wool <input type="checkbox"/> Polystyrene <input type="checkbox"/> Other (state) .....            Ceiling insulation <input type="checkbox"/> Expol <input type="checkbox"/> Polystyrene (not Polythene) <input type="checkbox"/> Snug <input type="checkbox"/> Sisalation <input type="checkbox"/> Ribraft <input type="checkbox"/> Other (state) .....            Floor insulation <input type="checkbox"/> None <input type="checkbox"/> Warmfeet <input type="checkbox"/> Under Slab <input type="checkbox"/> Floor <input type="checkbox"/> Foil <input type="checkbox"/> Floor <input type="checkbox"/> Cupolex <input type="checkbox"/> Other (state) .....         </div> <div>           Builder <input type="checkbox"/> Other (please specify) .....            Insulation Installer (name) .....         </div> </div>											
<b>Building Wraps</b> (tick one or more) <div style="display: flex; justify-content: space-between;"> <div>           Roof wrap <input type="checkbox"/> Flamestop <input type="checkbox"/> Thermacraft <input type="checkbox"/> Bitumac <input type="checkbox"/> CoverTek <input type="checkbox"/> Pauloid <input type="checkbox"/> Paper <input type="checkbox"/> Other (state) .....            Wall wrap <input type="checkbox"/> Flamestop <input type="checkbox"/> Tyvek <input type="checkbox"/> Thermacraft <input type="checkbox"/> Frameguard <input type="checkbox"/> Home RAB <input type="checkbox"/> Fastwrap <input type="checkbox"/> Paper <input type="checkbox"/> Other (state) .....         </div> <div>           Diflex 130 <input type="checkbox"/> Tekton <input type="checkbox"/> Black <input type="checkbox"/> Other <input type="checkbox"/> Ecoply Barrier <input type="checkbox"/> </div> </div>											
<b>Wall Cladding</b> State type and approximate % wall coverage e.g. Fibre cement, 75% Other examples include: tilt slab, concrete block, steel zincalume, glazing, aluminium, Clay Brick, 15% radiata WB, linea WB etc. Cedar WB, 10% <div style="display: flex; justify-content: space-between;"> <div>           Type ..... % area .....            Type ..... % area .....            Type ..... % area .....         </div> <div>           Hardies <input type="checkbox"/> BGC <input type="checkbox"/> CSR <input type="checkbox"/> PRIMA <input type="checkbox"/> Other <input type="checkbox"/> Eterpan <input type="checkbox"/> </div> </div> If Fibre Cement cladding is used, who is the manufacturer? ..... Fibre Cement product used as ..... Applied texture finish sheet, Flat sheet, FC plank (7.5mm), Linea (16mm) If solid plaster, what backing was used? ..... Fibre cement, plywood, paper, Triple S, block/brick, metal lathe											
<b>Wet Area Linings</b> (bathroom, kitchen, laundry etc) Please state the approximate square metres used <div style="display: flex; justify-content: space-between;"> <div>           Formica Aquapanel <input type="checkbox"/> m<sup>2</sup> Seratone <input type="checkbox"/> m<sup>2</sup> Villaboard <input type="checkbox"/> m<sup>2</sup> Hardiglaze <input type="checkbox"/> m<sup>2</sup> GIB <input type="checkbox"/> m<sup>2</sup> Aqualine <input type="checkbox"/> m<sup>2</sup> Other <input type="checkbox"/> m<sup>2</sup> (state) .....         </div> </div>											
<b>Roof Cladding (only applicable if there is new roof cladding)</b> What roof cladding was used? (circle one or state below) metal tiles, prepainted corrugated, trough zincalume, other steel profiles, concrete tiles, butyl, asphalt shingles, other (state) ..... Approx. Roof Area: ..... sqm Type of roof structure Timber <input type="checkbox"/> Steel <input type="checkbox"/> Concrete Slab <input type="checkbox"/>											
Thank you. Please fold this form, and freepost it in the return envelope											

Nov-11

## A.4 Survey form October 2015

NON-RESIDENTIAL									
<b>Please give this form to the builder or designer to fill out for the building consent listed over the page.</b> <b>Contract value of work (incl sub-trades) \$</b> ..... <b>incl GST</b>									
<b>Type of Building</b> ..... (state type) e.g. Office, school, farm building etc <div style="display: flex; justify-content: space-between;"> <div>           tick floor area            New <input type="checkbox"/> ..... sqm            Addition <input type="checkbox"/> ..... sqm            Alteration <input type="checkbox"/> (describe alterations) .....         </div> <div>           Number of storeys: .....            Average storey height: ..... m         </div> </div>									
<b>Are you claiming "green" building features? Yes / No</b> ..... <b>If Yes, what type?</b> .....									
<b>Main Structure</b> Concrete Frame <input type="checkbox"/> Timber Frame <input type="checkbox"/> Concrete Block <input type="checkbox"/> LVL <input type="checkbox"/> Glulam <input type="checkbox"/> Steel Frame <input type="checkbox"/> Tilt Slab <input type="checkbox"/> Insulated Panel <input type="checkbox"/> Other (state) .....									
<b>Floor Base Material</b> Concrete ..... sqm Particle Board ..... sqm Plywood ..... sqm Other (state) ..... sqm If concrete, have any steel deck trays been used? <b>Yes / No</b> (circle one)									
<b>Partition Wall Framing</b> (tick one or more) Timber <input type="checkbox"/> Steel <input type="checkbox"/> Concrete <input type="checkbox"/> Other (state) .....									
<b>Wall Infill Framing (between main frame)</b> (tick one or more) Radiata <input type="checkbox"/> Steel <input type="checkbox"/> Douglas Fir <input type="checkbox"/> Concrete block <input type="checkbox"/> Other (state) .....									
<b>Prefabrication</b> Are any prefabricated components used? <b>Yes / No</b> ..... If yes, describe applicable component(s) below: Prefab Frame ..... Prefab Floors ..... Prefab Walls ..... Prefab Other .....									
<b>Insulation</b> (tick one or more) <div style="display: flex; justify-content: space-between;"> <div>           Wall insulation <input type="checkbox"/> None <input type="checkbox"/> Pink Batts <input type="checkbox"/> Gold <input type="checkbox"/> Premier <input type="checkbox"/> Earthwool <input type="checkbox"/> Autex <input type="checkbox"/> Greenstuf <input type="checkbox"/> Polyester <input type="checkbox"/> Wool <input type="checkbox"/> Polystyrene <input type="checkbox"/> Other (state) .....            Ceiling insulation <input type="checkbox"/> .....  <b>Concrete slab insulation</b>            Floor insulation Underslab <input type="checkbox"/> Perimeter <input type="checkbox"/> Under full/partial <input type="checkbox"/> edge <input type="checkbox"/> footing <input type="checkbox"/> Polystyrene <input type="checkbox"/> Polyester <input type="checkbox"/> Glasswool <input type="checkbox"/> Foil <input type="checkbox"/>  <b>Timber sub-floor insulation</b>            Insulation Installer (name) Builder <input type="checkbox"/> Other (please specify) .....         </div> <div>           Insulation Installer (name) .....         </div> </div>									
<b>Building Wraps</b> Roof Wrap Flamstop <input type="checkbox"/> Bitumac <input type="checkbox"/> Tyvek Supro <input type="checkbox"/> CoverTek <input type="checkbox"/> Thermakraft <input type="checkbox"/> Fastwrap <input type="checkbox"/> Pauloid <input type="checkbox"/> Other (state) ..... (tick one or more) Wall Wrap Bitumac <input type="checkbox"/> Tyvek Homewra <input type="checkbox"/> Watergate <input type="checkbox"/> Covertek <input type="checkbox"/> Thermakraft <input type="checkbox"/> Tekton <input type="checkbox"/> Fastwrap <input type="checkbox"/> Pauloid <input type="checkbox"/> Ecoply Barrier <input type="checkbox"/> Other (state) .....									
<b>Wall Cladding</b> State type and approximate % wall coverage e.g. Concrete block, 75% Other examples include: tilt slab, concrete block, steel zincalume, glazing, aluminium, Clay Brick, 15% radiata WB, linea WB etc. Cedar WB, 10% Type ..... % area ..... Type ..... % area ..... Type ..... % area ..... If Fibre Cement product, what is it used as? (circle one) Applied texture finish sheet, Flat sheet, FC plank (7.5mm), Linea (16mm)									
<b>Wet Area Linings</b> (bathroom, kitchen, laundry etc) Please state the approximate square metres used Formica Aquapanel <input type="checkbox"/> m <sup>2</sup> Seratone <input type="checkbox"/> m <sup>2</sup> Villaboard <input type="checkbox"/> m <sup>2</sup> Hardiglaze <input type="checkbox"/> m <sup>2</sup> GIB <input type="checkbox"/> m <sup>2</sup> Aqualine <input type="checkbox"/> m <sup>2</sup> Other (state) .....									
<b>Spouting</b> <b>What profile is the SPOUTING?</b> 1/2 round/quad <input type="checkbox"/> 1/2 round <input type="checkbox"/> Old gothic <input type="checkbox"/> Box <input type="checkbox"/> Other (state) ..... <b>What material is the SPOUTING?</b> PVC (White) <input type="checkbox"/> PVC (Colour) <input type="checkbox"/> Steel <input type="checkbox"/> Aluminium <input type="checkbox"/> Copper <input type="checkbox"/> Other (state) ..... <b>Who installed the SPOUTING?</b> Roofer <input type="checkbox"/> Spouting installer <input type="checkbox"/> Builder <input type="checkbox"/> Plumber <input type="checkbox"/> Other (state) .....									
<b>Downpipes</b> <b>What profile are the DOWNPIPES?</b> 65mm round <input type="checkbox"/> 80mm round <input type="checkbox"/> 100mm round <input type="checkbox"/> 65x50mm rectangular <input type="checkbox"/> 100x50mm rectangular <input type="checkbox"/> Other (state) ..... <b>What material are the DOWNPIPES?</b> PVC (White) <input type="checkbox"/> PVC (Colour) <input type="checkbox"/> Steel <input type="checkbox"/> Aluminium <input type="checkbox"/> Copper <input type="checkbox"/> Other (state) ..... <b>Who installed the DOWNPIPES?</b> Roofer <input type="checkbox"/> Spouting installer <input type="checkbox"/> Builder <input type="checkbox"/> Plumber <input type="checkbox"/> Other (state) .....									
<b>Roof Cladding (only applicable if there is new roof cladding)</b> <b>What roof cladding was used? (circle one or state below)</b> metal tiles, pre-painted corrugated, trough zincalume, other steel profiles, concrete tiles, butyl, asphalt shingles, other (state) ..... <b>Approx. Roof Area:</b> ..... sqm <b>Type of roof structure</b> Timber <input type="checkbox"/> Steel <input type="checkbox"/> Concrete Slab <input type="checkbox"/>									
Thank you. Please fold this form, and freepost it in the return envelope <span style="float: right;">Oct-15</span>									