QuickSet®

Technical Specifications

Revision A // 29/08/2023

CodeMark™ 30086

BRANZ Appraised
Appraisal No. 964 [2017]

Sustainable Engineering LTD

Allied Concrete

SuperSlab+

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System Overview

QuickSet is an insulated, internally-braced, and permanent formwork system for raft foundations that can exist either as a fully-insulated system or as edge insulation alone. Designed to be suitable for 90mm, 140mm framing, and above, the system is highly adaptable and is compatible with all pod systems, including water tank pods. QuickSet has been code marked with Allied SuperSlab+. The system is comprised of forms, rebates, corners, joiners, stirrups, bases, and accessories. For a complete product reference guide, please see **Appendix 1**.

Specifying QuickSet

When specifying QuickSet, refer to **Appendix 2** for the Product Naming System information. Please show the perimeter foundation lineal metres on the foundation plan where possible. Having total foundation linear metres noted on plans allows for quick cross-checking when completing thermal compliance for the QuickSet system.

H1/AS1 Compliance

For H1/AS1 compliance, please refer to the latest QuickSet Thermal Modelling Report (available at quickset.co.nz/resources). For ease, the QuickSet Product R-Value Summary table is located in this document in **Appendix 3**.

Thermal Compliance

For thermal compliance, the R-value required is dependent on the climate zone, whether there is in slab heating built into the foundations and the area-to-perimeter ratio. The designer shall verify the foundation R-value compliance with H1/AS1.

The R-value is mainly dependent on the area-to-perimeter ratio of the foundation; the edge of the foundation around the perimeter of the building is where most of the heat is lost. Insulating the exposed perimeter edge will achieve the best results relative to cost compared to underslab insulation. In colder climates edge and underslab insulation is likely to be required to achieve compliance with H1/AS1.

The QuickSet system has been designed to work in combination with the Allied Superslab; refer to Tables 3 and 4 from the Allied Superslab Technical Manual for the building types compatible with the Allied Superslab. The designer shall verify the R-value of the foundation to ensure it meets the minimum NZBC requirements.

Please refer to **quickset.co.nz** or **alliedconcrete.co.nz** for further information on how to calculate the thermal performance of the insulated Allied Superslab system.

Sizing Notes

- All form heights increase by 5 mm once added to the QuickSet Base;
- All form lengths are 2430 mm, unless otherwise stated.

Formwork

QuickSet Form Materials

1. PVC foam board (outer face of edge insulation, 16 mm thick), with insulating properties.
2. Extruded polystyrene (XPS) edge insulation, which is laminated to the PVC foam board. The XPS is 20 mm thick and has insulating properties.
3. Aluminium double back rail, which is recessed into the back of the form to receive widgets for the stirrups.

QuickSet Taper

QuickSet Taper is designed for standard cladding (non-brick veneer) and is used in conjunction with 220 Series Standard Stirrups and 300 Series Standard Stirrups. Stirrups are placed at 600 mm intervals, which are referred to as “centres”.

Finished Heights of QuickSet Taper Variants

- Taper 305 — height of form 300 mm + 5 mm for base = finished height of 305 mm
- Taper 320 — height of form 315 mm + 5 mm for base = finished height of 320 mm
- Taper 340 — height of form 335 mm + 5 mm for base = finished height of 340 mm
- Taper 385 — height of form 380 mm + 5 mm for base = finished height of 385 mm
- Taper 400 — height of form 395 mm + 5 mm for base = finished height of 400 mm

QuickSet Taper can be cut down on a rip saw to create rebates. The maximum depth for a rebate on a 305 mm or 385 mm form is 60 mm. You must increase the slab topping in order to allow for the construction of deeper rebates.

QuickSet Rebate (100/120 & 100/140)

Each QuickSet Rebate product comes in a pair of two, along with two brick clips in the packaging.

Rebate Sizes for Brick Veneer Claddings

- The QuickSet 100/120 Rebate is 100 mm deep × 120 mm into the slab;
- The QuickSet 100/140 Rebate is 100 mm deep × 140 mm into the slab.

The QuickSet rebate requires MS adhesive to be applied on each rebate join. Furthermore, a brick overhang is not permitted. Rebates do not require a complete flintcote or mulseal as they are sealed units; however, the holes in the rebate, which are there for the air to escape during the concrete pour, will require flintcote or mulseal.

When using rigid air barriers with QuickSet Rebate 100/120, you must reduce the cavity size to 40 mm.

Tip — *For rebate widths outside of 120 mm or 140 mm, use a QuickSet Low Form with a timber rebate to create the desired rebate size in the slab.*

Rebate Forms 305 & 385

The QuickSet Rebate Forms 305 & 385 are designed for brick veneer cladding. It is used with 220 Series Rebate Stirrups, 300 Series Rebate Stirrups, Rebates, and Brick Clips. Stirrups are placed at 600 mm centres, and the Rebate Form connects to the Rebate with a Brick Clip.
The form size allows for a 2 mm brick clip and a 2 mm fall for water runoff on the rebate.

Finished Heights of QuickSet Rebate Form Variants

- **Rebate Form 305**
  Height of form 196 mm + 5 mm for base = 201 mm + 4 mm for above;
  when Rebate 100/120 or 100/140 added = finished height of 305 mm.
- **Rebate Form 385**
  Height of form 276 mm + 5 mm for base = 281 mm + 4 mm for above;
  when Rebate 100/120 or 100/140 added = finished height of 385 mm.

Rebates for forms have been designed to take either a 15 mm or 35 mm packer added to the top of the rebate to increase the overall slab height to cater to 100 mm or 120 mm slab toppings. This will also increase the rebate depth from 100 mm to 115 mm for 100 mm slab toppings or from 100 mm to 135 mm for 120 mm slab toppings. Packers come in packs of ten and are screwed and glued to the top of the rebate upon the time of install.

Example — *Rebate Form 305, with a 201 mm form, including base and 100/120 Rebate, gives a finished height of 305 mm.*

To Achieve Rebate 320
Use Rebate Form 305 mm with Rebate 100/120 or 100/140 + 15 mm packer
= finished height of 320 mm
To Achieve Rebate 340
Use Rebate Form 305 mm with Rebate 100/120 or 100/140 + 35 mm packer
= finished height of 340 mm
To Achieve Rebate 400
Use Rebate Form 385 mm with Rebate 100/120 or 100/140 + 15 mm packer
= finished height of 400 mm
To Achieve Rebate 420
Use Rebate Form 385 mm with Rebate 100/120 or 100/140 + 35 mm packer
= finished height of 400 mm

Note — *When using the packer, the rebate depth changes, and not the rebate form.*

Low Form

Finished Heights of QuickSet Low Form

- **Low Form 255**
  Height of form 250 mm + 5 mm for base = finished height of 255 mm
- **Low Form 335**
  Height of form 330 mm + 5 mm for base = finished height of 335 mm

Timber can be added to the top of a Low Form to create custom rebates like garage rebates, cladding details, etc. To increase depth in order to increase the slab topping height, the maximum depth for 305 mm and 385 mm formwork is 50 mm.

See **Section 12 – Windows & Low Profiles** in our Installation Guide series for further information.

Ultra Top Caps

QuickSet Taper becomes QuickSet Ultra when an extruded polystyrene (XPS) top cap is added to the top of the form, thereby providing uninterrupted inner insulation. The QuickSet Ultra top cap can also be added to a QuickSet Brick Rebate to create QuickSet Rebate Ultra.

Note — *for use with a brick rebate, an additional piece of insulation is required in addition to the Ultra top cap.*

The Ultra top cap is only suitable for use with framing sizes of 140 mm and above due to the clearance that is required on the hold-down fixings. It is added to the form at the time of installation. It comes precut to fit over widgets that are on the back rail.

All top caps come in packs of 5. They are glued into place using MS Adhesive. Attaching the top caps before straightening the foundation walls and tying the form back to the mesh is crucial.

Ultra Top Cap Configurations

- Ultra 305 Top Cap
  Used in conjunction with Taper 305 & Taper 385.
  Height of 83 mm, 20 mm thick.
- Ultra 320 Top Cap
  Used in conjunction with Taper 320 & Taper 400.
  Height of 98 mm, 20 mm thick.
- Ultra 340 Top Cap
  Used in conjunction with Taper 340 & Taper 420.
  Height of 118 mm, 20 mm thick.

Please see the **bottom section in Section 5 — Formwork Assembly** in our Installation Guide for more info regarding top caps.

Stirrups

All QuickSet stirrups are made from 100% recycled polypropylene plastic (PP) and come in packs of 10. Three widgets are attached to each stirrup upon arrival. These widgets slide onto the back rail of a form, which secures the stirrup to the form.

The widgets differ between the QuickSet Standard and Rebate systems:

- Standard stirrups are used for all Taper and Low Forms;
- Rebate stirrups differ in shape from the standard in order to allow the rebate to be attached and used for all Rebate forms.

Stirrups can be cut down to suit joinery rebates, e.g., shower or garage rebates, or to create a greater clearance for steel, such as under garage rebates, etc.

Important — *The maximum height the stirrup can be cut down from the top is 40 mm. Do not cut or impede on the locking mechanism that secures the stirrup to the form.*

Standard Stirrup

For QuickSet, 220 Series Standard Stirrups are used with 220 mm pod systems and 300 Series Standard Stirrups are used with 300 mm pod systems.

Each stirrup comes with three widgets attached:

1. The first widget is used for the upper rail in the form. This widget has a loop on it, and it is only used in the upper rail with the circle side oriented up, as it will not pass over the stirrup if the circle faces down. The loop is there for ease of securing the seismic mesh.
2. The second widget is used in the lower rail and secures the stirrup to form.
3. The third widget is a spare to use in the upper rail and is placed 100 mm on either side of a joiner.

Four widgets slide onto the lower back rail on each form; these are placed at the 600 mm centres to match the slots in the form where the stirrup will be placed. Five widgets are then slid onto the upper rail and placed in between the lower rail widgets. The upper rail widgets are used to secure the seismic mesh to the form. See **Section 4 — Widgets & Stirrups** of our Installation Guide for more info. Note that the slots in stirrups are designed to take up to 16 mm reinforcement; if thicker steel is required, the central tabs in the steel slots can be removed to allow for this. Any shear steel (cages) are to be made in situ. See **Section 6.7 — Heavy Steel Detail with Stirrups** in our Installation Guide for further information.

Rebate Stirrup

For QuickSet, 220 Series Rebate Stirrups are used with 220 mm pod systems and 300 Series Rebate Stirrups are used with 300 mm pod systems. The process of installation for Rebate Stirrups differs from Standard Stirrups. Please refer to our video instructions (**Section 9 — Brick Rebates**) or our **QuickStart manual** for further information.

Each stirrup has three widgets and they vary in size to cater for different rebate widths and are identified with numbers:

1. The first widget on the stirrup is identified by "120". This widget is used with Rebate 100/120. It is used for the lower rail in the Rebate to secure the stirrup. This widget is the longest of the three.
2. The second widget is identified by "140". This one will is used with Rebate 100/140. It is used for the lower rail in the Rebate to secure the stirrup. This widget is the shortest.
3. The third widget is used in the upper rail in the Rebate to secure the mesh to the form.

Four widgets slide onto the lower back rail on each form; these are placed at the 600 mm centres to match the slots in the form where the stirrup will be placed. An additional five widgets are then slid onto the upper rail and placed in between the lower rail widgets. The upper rail widgets are used to secure the seismic mesh to the form.

Bases

QuickSet features three base components, namely, a straight base, an external corner base and an internal corner base. All are made from 100% recycled polypropylene plastic. The straight base comes in packs of 10, whereas the external and internal corner bases are sold individually.

The straight base is 600 mm long and 520 mm wide. They are designed to snap lock together to create the desired length. A drop saw is used to cut a straight base to a desired length where relevant.

The external corner base is 300 × 300 mm, has a 90-degree angle, and snap locks onto a straight base. Other angles, e.g., 45-degree angles, can be created by following the instruction video on custom angles. The internal corner base is also at a 90-degree angle, snap locks on the straight base, and is only used on walls longer than 600 mm. Any shorter wall lengths will use the straight base. Butting together the straight base to the straight base creates a 90-degree angle.

An important note with the bases is to have an upwards of 30 mm gap between the cuts. This allows for the expansion of the plastic on hot days during the construction of the foundation.

QuickSet Bases can be cut to suit engineering, e.g., timber or concrete piles, deepened edges, load pads, plumbing, etc.

Important — *External bracing is required if ½ or more of a base is modified/removed. If more than ½ is removed, please use a standard external brace outside the form.*

Form Receiver

The form receiver is designed to be used on block or concrete walls, thereby allowing continuous edge insulation. The Form Receiver is screwed down to a block or concrete wall, or similar. It is an aluminium extrusion that is powder coated in Matt flint, and it is 2430 mm long and 2 mm thick.

The exterior face visible on the exterior of the block wall is 25 mm high (20 mm lip on form and a 5 mm lip to go down over the wall). The block or concrete wall must be level and flat for the Form Receiver. A concrete grinder can prep the wall for installation.

The Form Receiver is screwed down at 600 mm centres using a hammer drill and concrete screws. The concrete screws must be at least 44 mm long by 4.8 mm wide, with a screw head not exceeding 5 mm in height. The screws must be weather treated, as the screw will be exposed to some moisture. Once the concrete is cured, the screw acts more as a packer to the QuickSet Form than a structural element.

The screw head cannot exceed 5 mm in height, as QuickSet Forms are designed to sit on the screw head, which adds to the overall height of the form. The Forms are designed to sit on the screw head, which brings the overall height of the Form to the correct height.

Having the Form sit on the 3–5 mm screw head creates a gap between the Form and the Form Receiver rail that allows moisture to travel down the rail and out the gap between the Form Receiver rail and the next Form Receiver. Thus, there is a 5 mm gap between each Form Receiver, i.e., every 2430 mm, that allows for moisture to escape.

An up-stand on the stirrup (standard and rebate) locks the stirrup into position on the Form Receiver rail.

The height of the block or concrete wall must be the finished height of the sand blinding or the finished height of the insulation layer, if applicable.

Tips and Tricks

- It is strongly recommended that you watch our Installation Guide Video series (available at **quickset.co.nz/resources/installation-guide**) in full before attempting your first QuickSet install;
- Carefully read and follow our "Check Yourself Before You Wreck Yourself" Pre-Pour Checklist in full before pouring concrete when building with QuickSet.
- Ensure that the sand is level 100 mm outside the string line and 700 mm inside the string line to a ±5 mm tolerance before installing QuickSet;
- Allow for gaps bases when joining cut sections, as the bases will expand in the heat of the sun.
- Ensure that QuickSet Joiners and Corners are correctly seated on the top and bottom. They are designed to sit on top of the base lip;
- Ensure that the QuickSet Joiners and Corners are screwed through the back of the corner and joiner into the back of the aluminium double-back rail;
- Ensure a widget is on either side of each joiner and every 600 mm (between the stirrups) in order to provide an attachment point to tie the mesh back to;
- Ensure the system is relaxed and inside the building string lines before straightening. It is important to not spring load the system;
- Reduce the foundation measurement (where possible) to allow for a small degree of movement during the concrete pour;
- Allow a maximum of 5 mm of movement with QuickSet. It is important to keep inside your string lines by at least 5 mm;
- Where a QuickSet Base or Stirrup has been comprised due to the slab design, use traditional bracing techniques on the external side of the formwork, including pegs, etc.

Care and Maintenance

Wash all exterior surfaces yearly using a low-pressure wash system to remove dust, dirt and other contaminants. Increase cleaning frequency to 3-monthly in geothermal or severe marine areas.

- Do not use a high-pressure washing system, e.g., a water blaster.
- If the washing does not remove stubborn areas of mould or dirt, use a soft brush or broom and an appropriate cleaning agent to remove these deposits. Check with the paint manufacturer and follow the directions on the product when applying the cleaning agent.

Film on Formwork

The QuickSet film on all forms must be removed within 90 days post-install. It is recommended to check the film every 30 days on north-facing sides to ensure the sun is not affecting it within 90 days to ensure easy removal. When removing the film, use a craft knife to carefully cut along the corners, joiners, and base to ensure a smooth and easy removal.

Tip — *If the QuickSet film has been left on and is difficult to remove, a 3000 psi pressure washer can help lift the film from the formwork.*

Painting

Because of New Zealand's harsh UV conditions, QuickSet must be painted within 10 years in UV-exposed areas and every 10 years thereafter. The powder-coated corners and joiners must be etched primed before painting at the ten-year mark. This will protect the powder coating from lifting. The colour of the formwork may vary slightly. As such, we recommend that the formwork is painted when construction is completed.

Tip — *The closest colour match to QuickSet formwork is "Grey Friars", and the closest match to the powder-coated corners is "Matt Flint".*

Damage to Form

If the formwork is damaged, apply a filler (e.g., builder's bog) to fill the damaged area before painting to finish the repair. If the damage requires a piece of formwork to be replaced, please contact us and we'll help guide you through this process. You can also visit Section 16 — Fixing & Repairing QuickSet on our Installation Guide series to learn our techniques and methods for efficient and effective QuickSet repairs. Note that the QuickSet Face is replaceable/removable if required, but this is a last resort option.

It is recommended that care is taken when using gardening machines such as weed-eaters next to the foundation edge. Care should be taken not to damage the form face. If damage occurs, follow the advice detailed above.

Though QuickSet formwork absorbs less than 1% moisture, keeping QuickSet in continual groundwater is not recommended. As such, ensure that water is able to flow freely away from foundation edges to ensure the longevity of the formwork.

Limitations

QuickSet is designed for use in raft foundations, though it can be used for other applications. Each case will come down to the designer and builder, and they must take responsibility when working outside of the scope of QuickSet's technical literature.

- The maximum height of a QuickSet Form on a 220 mm pod system is 340 mm;
- The maximum height of a QuickSet Form on a 300 mm pod system is 420 mm;
- The maximum spacing between stirrups is 600 mm, i.e., no further than the centres;
- If a QuickSet base is modified/cut by more than 1/2 of its size, external bracing is then required for that section.
- QuickSet is an internally braced system and must be used with seismic mesh;
- If, for any reason, the builder is not happy with the strength of QuickSet, it is recommended to use external braces to supplement the system;
- To ensure correct R-values are achieved, ensure that the insulation is intact or replaced if work may have taken place where the inner XPS layer has been removed. It is important to view QuickSet as an insulation system; if gaps are left with no XPS to fill them, the foundation may not pass council inspections;
- If the foundation is consented to, the system must be installed by or under the supervision of a licensed building practitioner.

QuickSet®

Product Reference Guide

Forms & Rebates

Image	SKU Code	Product	Description
	QST305	Taper 305	2430 × 305 × 36 mm. Sold individually.
	QST320	Taper 320	2430 × 320 × 36 mm. Sold individually.
	QST340	Taper 340	2430 × 340 × 36 mm. Sold individually.
	QST385	Taper 385	2430 × 385 × 36 mm. Sold individually.
	QSRF305	Rebate Form 305	2430 × 196 × 36 mm. Use 15/35 mm packer to make Rebate 320/340.
	QSRF385	Rebate Form 385	2430 × 276 × 36 mm.
	QSR100120	Rebate 100/120	2430 × 120 × 100 mm. Pack of 2.
	QSR100140	Rebate 100/140	2430 × 140 × 100 mm. Pack of 2.
	QSL255	Low Form 255	2430 × 255 × 36 mm. Single back rail. Sold individually.
	QSL355	Low Form 355	2430 × 355 × 36 mm. Single back rail. Sold individually.

Corners & Joiners

Image	SKU Code	Product	Description
	QSSC305	Standard Corner 305	280 × 40 × 40 mm. Pack of 4.
	QSSC320	Standard Corner 320	295 × 40 × 40 mm. Pack of 4.
	QSSC340	Standard Corner 340	315 × 40 × 40 mm. Pack of 4.
	QSSC385	Standard Corner 385	360 × 40 × 40 mm. Pack of 4.
	QSSJ305	Standard Joiner 305	280 × 40 × 40 mm. Pack of 5.
	QSSJ320	Standard Joiner 320	295 × 40 × 40 mm. Pack of 5.
	QSSJ340	Standard Joiner 340	315 × 40 × 40 mm. Pack of 5.
	QSSJ385	Standard Joiner 385	360 × 40 × 40 mm. Pack of 5.
	QSRC305	Rebate Corner 305	176 × 40 × 40 mm. Pack of 4.
	QSRJ305	Rebate Joiner 305	160 × 20.5 × 24 mm. Pack of 5.

Stirrups & Bases

Image	SKU Code	Product	Description
	QSSS220	220 Series Standard Stirrup	325 × 265 × 16 mm. Pack of 10.
	QSRS220	220 Series Rebate Stirrup	325 × 265 × 16 mm. Pack of 10.
	QSSS300	300 Series Standard Stirrup	325 × 337 × 16 mm. Pack of 10.
	QSRS300	300 Series Rebate Stirrup	325 × 337 × 16 mm. Pack of 10.
	QSSB	Straight Base	600 × 530 × 20 mm. Pack of 10.
	QSECB	External Corner Base	300 × 300 × 20 mm. Sold individually.
	QSICB	Internal Corner Base	500 × 300 × 10 mm. Sold individually.

Accessories

Image	SKU Code	Product	Description
	QSP15	15 mm Packer	2430 × 15 × 16 mm. Pack of 10.
	QSP35	35 mm Packer	2430 × 35 × 16 mm. Pack of 10.
	QSBRC	Brick Clip	2430 × 27 × 18 mm. Sold individually.
	QSBWR	Form Receiver	2430 × 38 × 25 mm. Sold individually.
	QSU305	Ultra 305 Top Cap	2430 × 83 × 20 mm. Pack of 5.
	QSU320	Ultra 320 Top Cap	2430 × 98 × 20 mm. Pack of 5.
	QSU340	Ultra 340 Top Cap	2430 × 118 × 20 mm. Pack of 5.
	QSS250	16 mm Tek Screws	150 × 100 × 50 mm. Pack of 250.

Product Naming System

QuickSet Taper 305 / 00

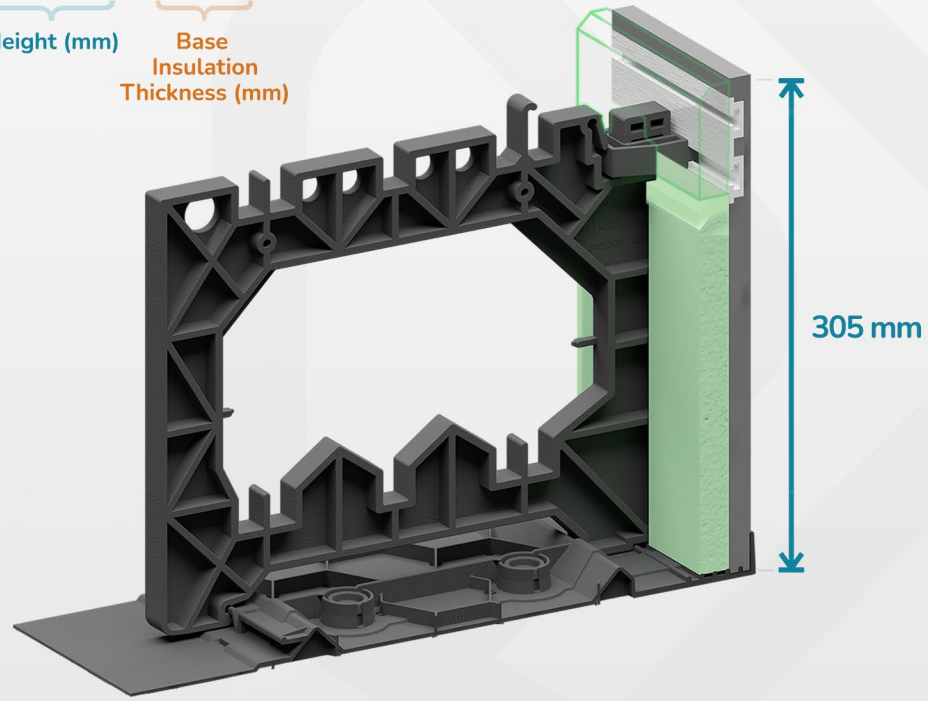
Cladding Type | Height (mm) | Base Insulation Thickness (mm)

In the naming system, the cladding type refers to the type of QuickSet system:

- **Taper** is for standard cladding;
- **Ultra** is for standard cladding but features an insulated top cap for 140mm framing and above;
- **Rebate** is for brick cladding.

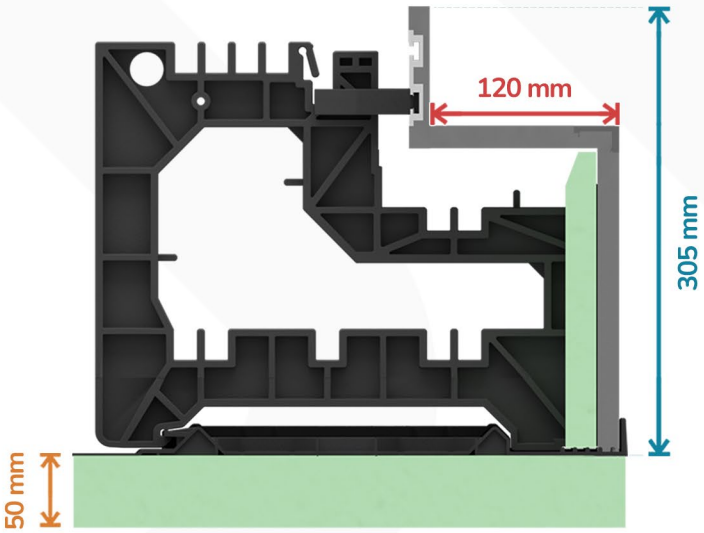
The height value refers to the height of the formwork.

The final values after the slash denote the base insulation thickness, where 00 denotes no base insulation.



QuickSet Rebate 120 / 305 / 50

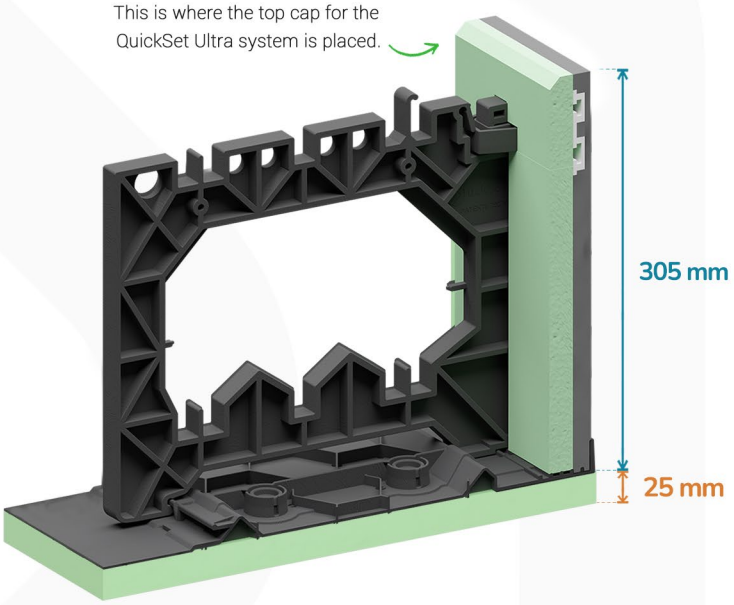
Cladding Type | Rebate Size (mm) | Height (mm) | Base Insulation Thickness (mm)



QuickSet Ultra 305 / 25

Cladding Type | Height (mm) | Base Insulation Thickness (mm)

This is where the top cap for the QuickSet Ultra system is placed.



Thermal Modelling Data

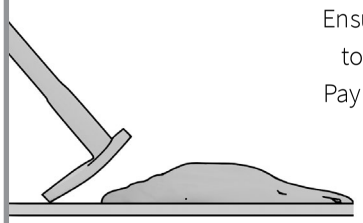
A/P Ratio	1.0	1.6	1.8	2.0	2.2	2.4	2.6	2.8	3.0	3.6	4.0
QuickSet Taper 305/00 with QPOD	0.74	0.96	1.03	1.11	1.18	1.24	1.31	1.37	1.44	1.63	1.76
QuickSet Taper 305/00 with Polypod	0.85	1.11	1.20	1.29	1.36	1.44	1.51	1.58	1.66	1.86	2.00
QuickSet Taper 305/25 with QPOD	1.06	1.36	1.46	1.55	1.63	1.71	1.79	1.87	1.95	2.17	2.32
QuickSet Taper 305/25 with Polypod	1.07	1.40	1.52	1.63	1.71	1.80	1.88	1.97	2.05	2.28	2.43
QuickSet Taper 305/50 with QPOD	1.21	1.57	1.70	1.82	1.92	2.03	2.13	2.23	2.34	2.59	2.76
QuickSet Taper 305/50 with Polypod	1.28	1.68	1.81	1.95	2.06	2.17	2.29	2.40	2.51	2.78	2.95
QuickSet Taper 305/75 with Polypod	1.35	1.81	1.96	2.12	2.22	2.33	2.44	2.55	2.66	2.94	3.12
QuickSet Taper 305/100 with Polypod	1.42	1.90	2.06	2.22	2.33	2.45	2.57	2.69	2.81	3.16	3.39
QuickSet Ultra 305/00 with QPOD	0.82	1.06	1.14	1.21	1.28	1.35	1.42	1.49	1.56	1.77	1.90
QuickSet Ultra 305/00 with Polypod	0.97	1.24	1.33	1.42	1.50	1.58	1.65	1.73	1.81	2.02	2.17
QuickSet Ultra 305/25 with QPOD	1.29	1.61	1.72	1.83	1.91	2.00	2.08	2.16	2.25	2.48	2.63
QuickSet Ultra 305/25 with Polypod	1.42	1.79	1.92	2.04	2.13	2.22	2.31	2.40	2.49	2.74	2.90
QuickSet Ultra 305/50 with QPOD	1.62	2.03	2.17	2.30	2.40	2.50	2.60	2.69	2.79	3.05	3.23
QuickSet Ultra 305/50 with Polypod	1.73	2.15	2.30	2.44	2.56	2.67	2.79	2.91	3.02	3.30	3.48
QuickSet Ultra 305/75 with QPOD	1.76	2.20	2.35	2.49	2.59	2.70	2.80	2.90	3.00	3.27	3.45
QuickSet Ultra 305/75 with Polypod	1.95	2.46	2.62	2.79	2.93	3.07	3.21	3.34	3.48	3.79	4.00
QuickSet Ultra 305/100 with Polypod	2.03	2.60	2.79	2.98	3.11	3.24	3.36	3.49	3.61	3.93	4.13
QuickSet Ultra 305/150 (Continuous SlabX200) with QPOD	2.17	2.81	3.03	3.24	3.39	3.54	3.69	3.84	3.99	4.35	4.60
QuickSet Ultra 305/150 (Continuous SlabX200) with Polypod	2.31	3.02	3.26	3.50	3.66	3.83	3.99	4.16	4.32	4.72	4.98
QuickSet Rebate 120/305/00 with QPOD	0.81	1.05	1.13	1.21	1.28	1.35	1.42	1.49	1.56	1.76	1.90
QuickSet Rebate 120/305/00 with Polypod	0.98	1.25	1.35	1.44	1.51	1.59	1.67	1.75	1.82	2.04	2.18
QuickSet Rebate 120/305/25 with QPOD	1.22	1.53	1.63	1.74	1.82	1.90	1.99	2.07	2.16	2.39	2.54
QuickSet Rebate 120/305/25 with Polypod	1.33	1.70	1.83	1.95	2.04	2.13	2.22	2.31	2.40	2.65	2.81
QuickSet Rebate 120/305/50 with QPOD	1.48	1.84	1.96	2.08	2.19	2.30	2.41	2.52	2.63	2.89	3.06
QuickSet Rebate 120/305/50 with Polypod	1.61	2.00	2.14	2.27	2.39	2.51	2.63	2.75	2.86	3.14	3.32
QuickSet Rebate 120/305/75 with QPOD	1.54	1.98	2.13	2.28	2.38	2.49	2.59	2.69	2.80	3.07	3.25
QuickSet Rebate 120/305/75 with Polypod	1.66	2.15	2.31	2.47	2.59	2.70	2.81	2.92	3.03	3.32	3.51
QuickSet Rebate 120/305/100 with Polypod	1.78	2.30	2.47	2.65	2.79	2.93	3.07	3.21	3.35	3.67	3.88
QuickSet Rebate with Ultra 120/305/150 (Continuous SlabX200) with QPOD	1.99	2.63	2.84	3.05	3.20	3.35	3.50	3.65	3.80	4.16	4.41
QuickSet Rebate with Ultra 120/305/150 (Continuous SlabX200) with Polypod	2.21	2.92	3.15	3.39	3.55	3.72	3.88	4.04	4.21	4.61	4.87

QuickStart Instruction Manual

QuickSet.co.nz +(64) 9 959 0990

Scan QR code to access our comprehensive installation guide.

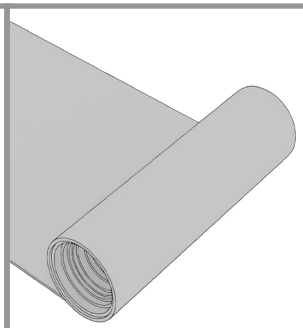
Ground Preparation



Ensure the ground is smoothed to within a **±5 mm tolerance.** Pay particular attention around the building footprint.

01

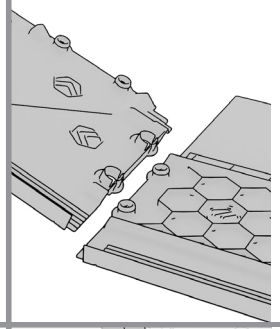
Lay the DPM



Roll out the DPM, ensuring that a minimum of 50 mm extends past the building footprint.

02

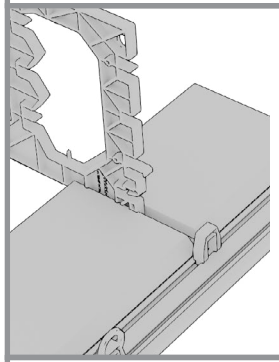
Lay Bases



Lay bases as per the foundation plans. Lay any base insulation clockwise, with at least 20 mm extending past straight bases.

03

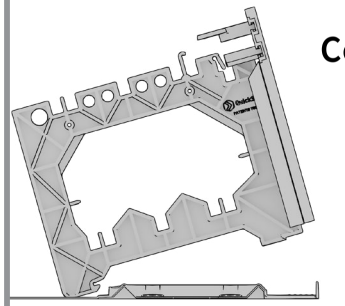
Stirrups & Widgets



Insert five widgets (top side up) in the upper rail. Add four in the lower rail. Include a ringed widget in the upper rail.

04

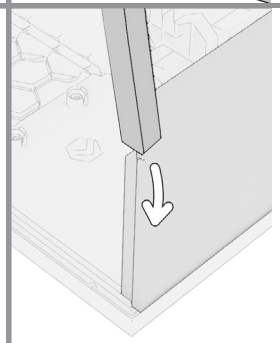
Connect Form to Base



Use the fishhook on the base to connect, then push down on the form to secure.

05

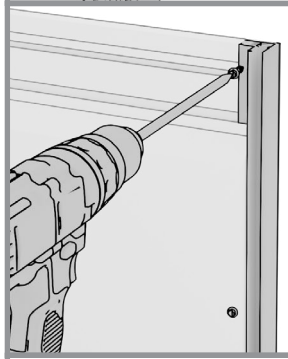
Add Corner Joiner



Add a bead of MS adhesive on the internal corner wall, then slide the corner joiner down the form, occupying the 20 mm gap.

06

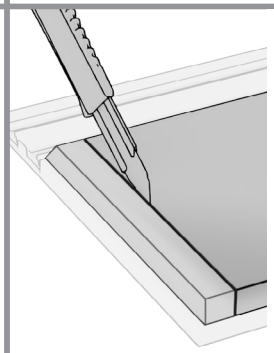
Screw Corner Joiner



Now, screw the corner joiner into the back of the form to secure it in place.

07

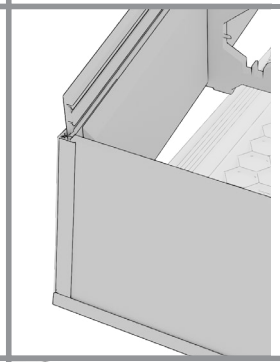
Cut Form Insulation



Remove 20 mm from the insulation on the edge bordering the next form.

08

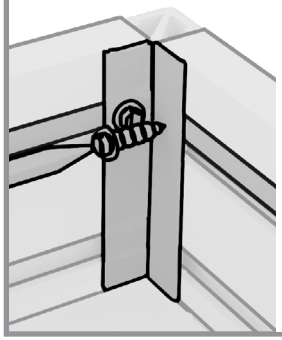
Connect Form



Slot the next form into place by sliding it down into the corner joiner, applying a bead of MS adhesive.

09

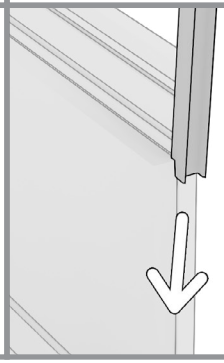
Screw Form to Joiner



Secure the added form in place by screwing it into the corner joiner through the back rail.

10

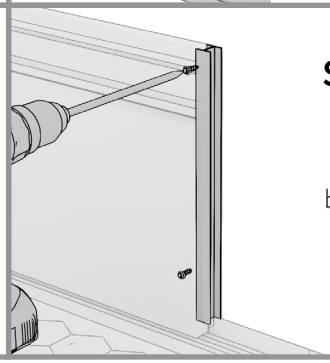
Joiner Attachment



Slide the joiner on to the form. The joiner rests on the upstand of the base.

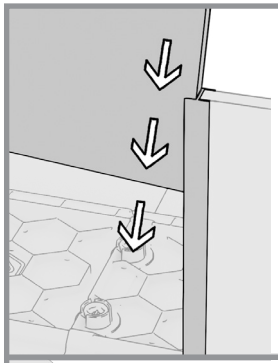
11

Screw Joiner to Form



Screw two screws into the H-section joiner through the back rail to secure it to the back of the formwork.

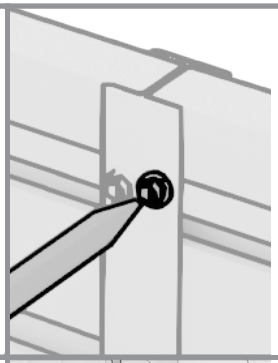
12



Form Attachment

Pushing down on the form, slide the form into the joiner.

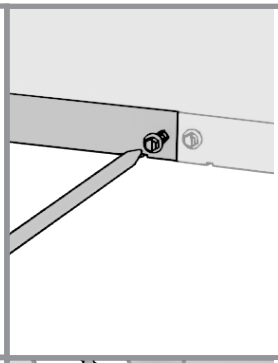
13



Screw Form to Joiner

Now, connect the two forms by screwing the new form into the back of the joiner through the back rail.

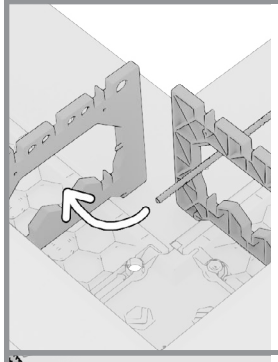
14



Screw Form Lip to Base

Connect the formwork to the bases by screwing at the 600 mm centers.

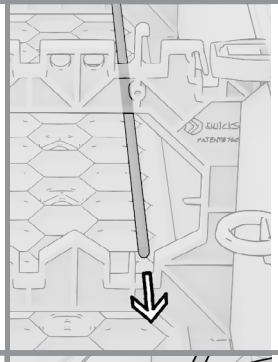
15



Insert Corner Steel

Thread the corner steel through the stirrups so it rests in the steel slots.

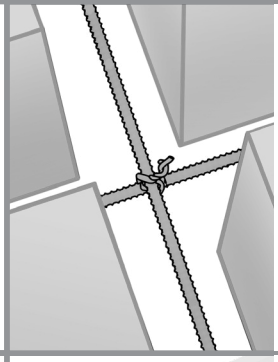
16



Install Reinforcing Steel Bars

Lay the steel through the slots in the stirrups, taking care to not cross between slots.

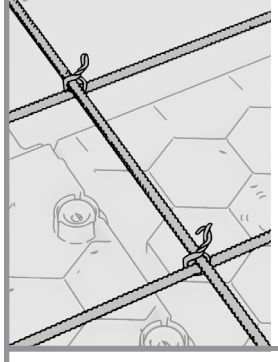
17



Ribs and Intersections

Add the rib bars and then tie the intersections between pods to secure the system in place.

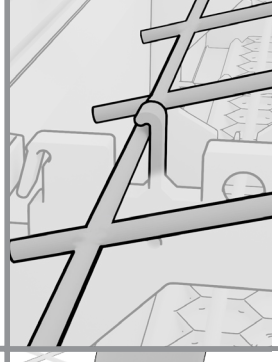
18



Straightening

Straighten QuickSet to the stringline before tying the rib steel to the edge beam.

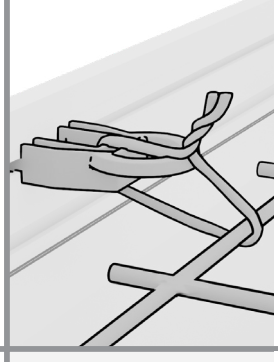
19



Lay Steel Mesh

Lay the mesh, taking care to hook it into the hooks on the stirrups where possible.

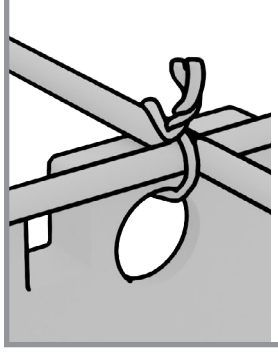
20



Tie Widgets to Mesh

Using cable ties or tie wire, tie mesh to form using upper widgets at the 600 mm centers and both sides of joins.

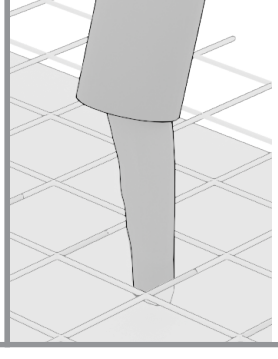
21



Tie Mesh to Stirrup

Where possible, tie the mesh to the stirrup for extra strength using the holes in the stirrups.

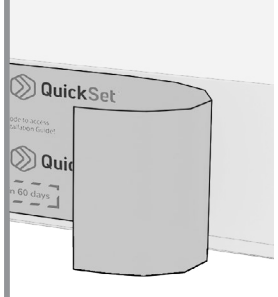
22



Pour Concrete

Pour concrete 3/4 full in edge beam first, then move to lows (ribs & beams) before bringing up to slab topping.

23



Peel Film

Remove film within 90 days or sooner, using a craft knife along corners, joiners & bases. Follow care & maintenance guidelines.

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