SELKENT

CONSTRUCTION FIXINGS AND TOOLS

SURE SNAP
Fire Collars

ASFP

LPCB
LOSS PREVENTION CERTIFICATION BOARD

UKAS
PRODUCT
CERTIFICATION
0007

The only *SMOKE & FIRE* collar

Advanced Technology

Collar Pedigree

Sure Snap collars are patented and are the fastest closing collars in the UK market.

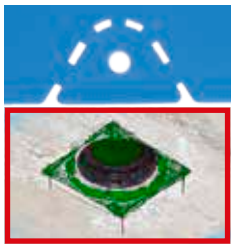
They out-perform all other UK collars. The collars we developed are manufactured in Australia, a country with one of the most advanced passive fire compliance regimes in the world.

The manufacture, Snap Fire Systems, holds over 50% of the Australian market and their success has been built on trust and transparency. Their website is the only open website in Australia that publishes all its test data online for anyone to access, they do this because their products work.

✔	EN 15882-3
✔	EN 13501-2
✔	EN 1366-3
✔	BS476:PART20:1987

FULL COMPLIANCE

Sure Snap Collars are the only smoke & fire collars. Smoke is the biggest cause of fatalities in high rise fires. **Most fire deaths are not caused by burns, but by smoke inhalation,** National Fire Protection Association.
Sure Snap collars meet the requirements of **BS EN 15882-3:2009** (tested under EN1366 Part 3:2009). **BRE Global** have issued independent compliance reports in relation to this testing.



INNOVATIVE SNAP OFF NAIL POINTS

The snap off nail points mean that when the formwork is struck, the nails come off with it, leaving a clean finish, with no exposed nails from the slab above.

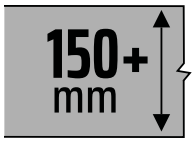
◀ AVOID THIS SITUATION

PATENTED SPRING ACTIVATION TECHNOLOGY

In a fire the patented fusible links melt and the loaded springs activate to compress the intumescent material around the penetrating pipe. As the pipe softens in the fire, the springs quickly force the pipe to collapse and the penetration is then immediately sealed with the intumescent plug that swells and protects the penetration for up to 4 hours.

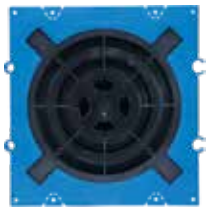
PATENTED INTUMESH TECHNOLOGY

We use patented Intumesh™, a mesh-backed intumescent, to guarantee the intumescent plug remains intact and the penetration remains closed in the event of a fire.



SLAB THICKNESS

For use on slabs 150mm thickness and up. With a standard height of 250mm, Selkent offers custom cut down solutions, and collar extensions for slabs thicker than 250mm.



LOCATOR PLATE

This locator plate ensures accurate and effortless positioning of the collar during construction. The unique locator plate also ensures no slurry enters the inside of the collar during construction, ensuring correct collar performance.

INNOVATIVE CAP SYSTEM

Heavy duty reinforced removable cap, designed not to break during the construction process. A broken cap on site can be a potential safety issue. The cap also helps to prevent any foreign materials and water from entering the collar.

STRONG HIGHLY VISIBLE CASING

Robust casing protects against the rigours of construction traffic and the pressure of concrete pours. The bright colour of the collar means it is highly visible on site once installed.

SEALING RUBBER RING

The internal rubber ring is to seal the pipe against the ingress of foreign materials and water after the pipe is installed.

ROBUST EXTENSIONS

For larger concrete slabs like a transfer slab this is no issue when using Sure Snap as we have stackable reinforced plastic sleeves which are 50mm high each.

RAPID CLOSING COLLAR

Our 3 minute rapid closing makes this the fastest closing collar in the world today.

The range

65mm

SELFC-H65S

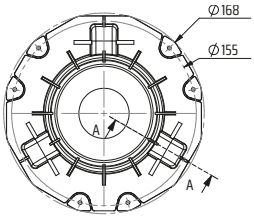
110mm

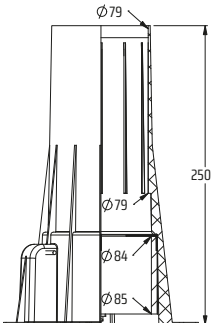
SELFC-H110S

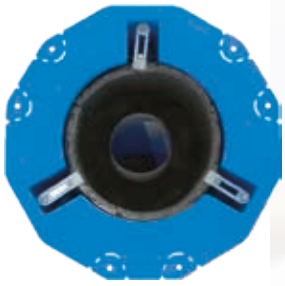
150mm

SELFC-H150S

SELFC-H65S 65mm



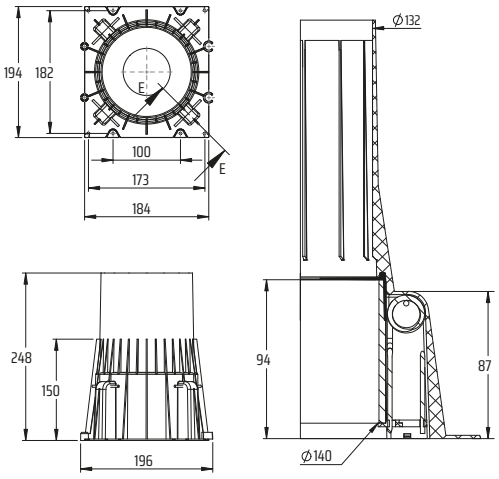


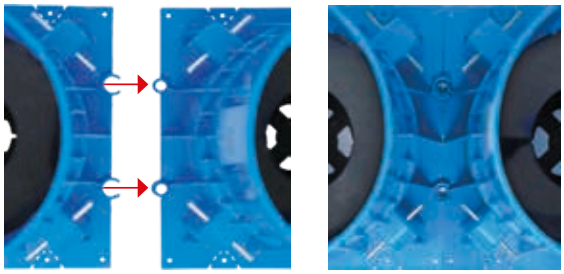


LPS 1132: Issue 4 Cert/LPCB ref. C1457a/01

SELFC-H110S 110mm

LPS 1132: Issue 4 Cert/LPCB ref. C1457a/03

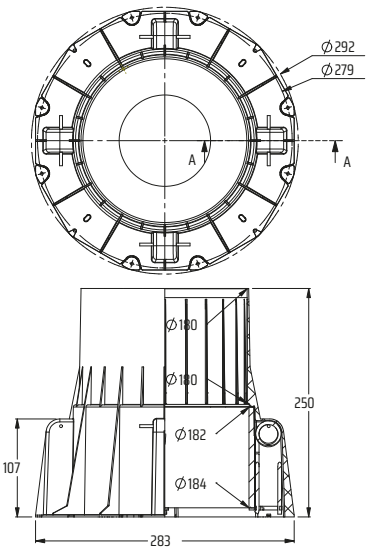




SELFC-H110S Connection Clips, the ingenious connection system that firmly joins collars neatly and safely, in no time at all.

SELFC-H150S 150mm

LPS 1132: Issue 4 Cert/LPCB ref. C1457a/04

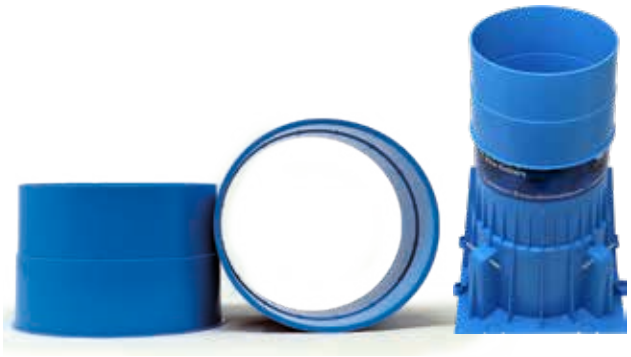


Simulated Activation

EXTENSIONS

50mm height stackable extension pieces

STOCK CODE	DESCRIPTION
SELFC-65EXT	suitable for SELFC-H65S
SELFC-110EXT	suitable for SELFC-H110S
SELFC-150EXT	suitable for SELFC-H150S



MANIFOLD RECESS FORMER

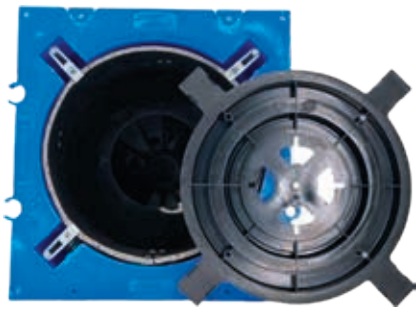
STOCK CODE	SIZE
SELFC-110MRF	110mm

COLLAR CAP

STOCK CODE	SIZE
SELFC-65CAP	65mm
SELFC-110CAP	110mm
SELFC-150CAP	150mm

LOCATOR PLATE

STOCK CODE	SIZE
SELFC-LP65	65mm
SELFC-LP110	110mm
SELFC-LP150	150mm



SELKENT OFFER A BESPOKE CUTTING DOWN SERVICE TO MATCH YOUR REQUIRED HEIGHT TO SUIT YOUR SLAB DEPTH.

Approval & Standards

Applicable Standard

The Sure Snap collars have been tested at accredited laboratories worldwide to ensure they are fit for purpose.
Sure Snap collars meet BS EN 15882-3:2009 (tested under EN1366 Part 3:2009). BRE Global have issued independent compliance reports in relation to this testing. BRE is fully accredited under UKAS to do so.

BS EN 15882-3:2009

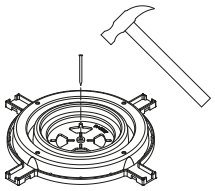
BRE global tested a series of Sure Snap collars at their Watford facility under the EN1366 Part 3:2009 with the results being extended under EN15882-3:2009 (Extended Application Report). In these tests Sure Snap Collars are tested uncapped/uncapped, the most difficult configuration meaning they can be used in all applications under the standard. The Extended Application Report is evidence of compliance to BS EN 15882-3:2009 and this report cannot be issued without the required testing.

Third Party Certification

In addition to the compliance of the collars to the relevant standards, the collars have Third Party Product Certification (No. 1457a) from the Loss Prevention Certification Board (LPCB). LPBC is also UKAS accredited. This accreditation ensures the relevant manufacturing controls are in place to ensure that what is tested and reported on under the standards is what is manufactured. This prevents companies from testing one thing and producing another.
Sure Snap Collars are listed in the RedBook Live.

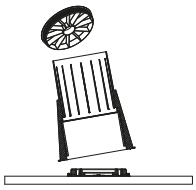
Installation Instructions

1



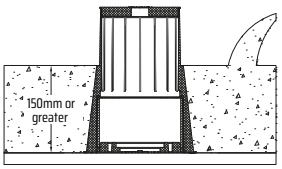
Mark the planned penetration centre point on the formwork. Use the Alignment Windows 8b of the Locator Plate 8 to position the central fixing hole 8a over the centre of the mark. Secure the locator plate to the formwork using the central fixing hole.

2



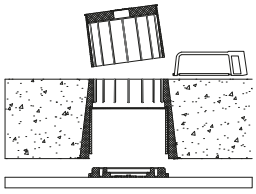
Clip the collar onto the Locator Plate, ensuring the collar base flange 7 is flat on the formwork. Secure the collar through preferred fixing points so that it is securely fixed to the formwork. Fit the cap 1 into the top of the collar.

3



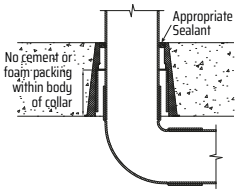
Pour concrete. SureSnap Collars are approved for use in concrete slabs with a minimum thickness of 150mm and a minimum 20 MPA rating.

4



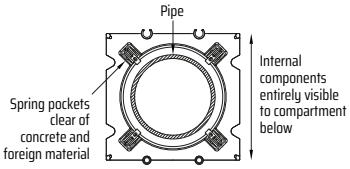
Remove the formwork. The Locator Plate will be pulled from the collar with the formwork, leaving a clean hole and the internal components of the collar fully exposed to the compartment underneath. If desired, cut the collar off at slab height.

5

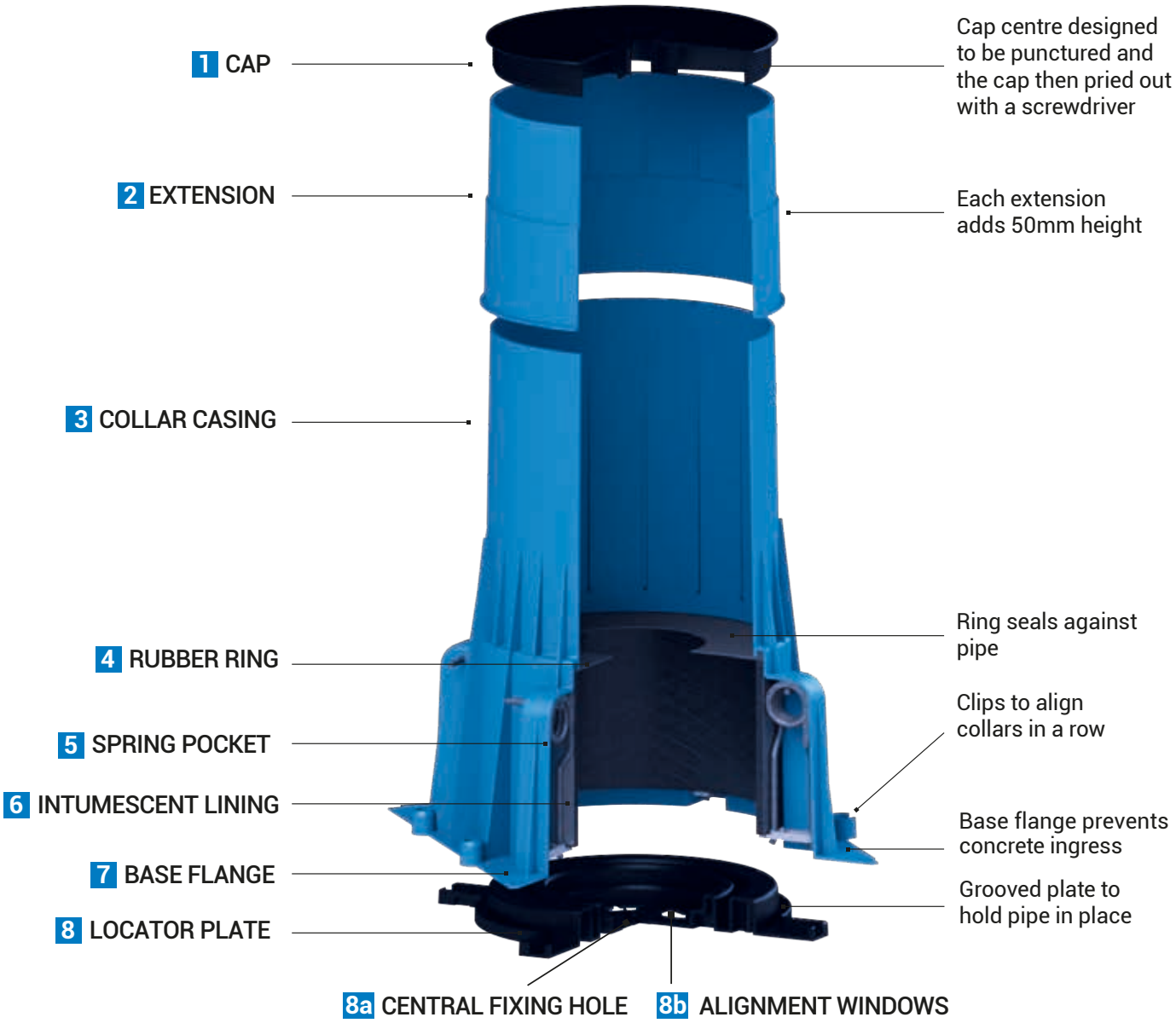


Install the required pipe by sliding it through the collar, taking care not to damage the internal collar components. The options for sealing the gap on the top of the slab between the pipe and edge of penetration can be seen in Table 1 (overleaf).

6

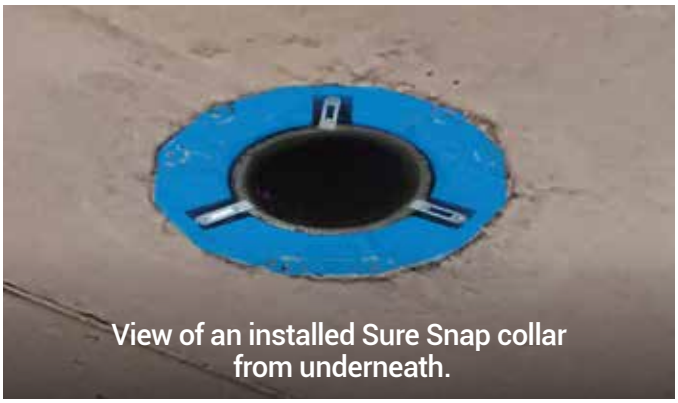


Inspect the collar to ensure no residual concrete remains in the Spring Pockets 5 around the fusible links and springs, and that there is no foreign material in the body of the collar. Ensure that the bottom of the collar is completely exposed to the compartment below.



GAP WIDTH	SEAL METHOD OPTIONS
Gap≤10mm (Not required)	No backfill or; Sika Everbuild Everflex LMA 200 Contractors Sealant or; Non-shrink General Purpose Construction Grout.
10mm≤Gap≤20mm	Sika Everbuild Everflex LMA 200 Contractors Sealant or; Non-shrink General Purpose Construction Grout.
20mm≤Gap	Non-shrink General Purpose Construction Grout.

PERFECT FINISH. With snap off nail points and the anti-slurry plate, the collar is completely intact.



View of an installed Sure Snap collar from underneath.

EN Approvals By Collars

H65S

PIPE	PIPE DIAMETER	PIPE WALL THICKNESS	FIRE RESISTANCE	
			Integrity	Insulation
PVC	40 to 65 mm	3.0 to 4.7 mm	180	240
PVC + Coupling	40 to 65 mm	3.0 to 4.7 mm	180	240
PP	40 to 50 mm	1.8 mm	180	240
PP + Coupling	40 to 50 mm	1.8 mm	180	240
PE-HD	25 to 63 mm	2.0 to 5.8 mm	180	240
PE-X	15 to 63 mm	2.6 to 8.6 mm	90	90

H110S

PIPE	PIPE DIAMETER	PIPE WALL THICKNESS	FIRE RESISTANCE	
			Integrity	Insulation
PVC	50 to 100 mm	2.0 to 3.2 mm	180	180
PVC + Coupling	50 to 100 mm	2.0 to 6.6 mm	180	180
PP	50 to 110 mm	1.8 to 2.7 mm	120	180
PP + Coupling	110 mm	3.4 mm	180	240
PE-HD	50 to 110 mm	3.0 to 10.0 mm	120	120

H150S

PIPE	PIPE DIAMETER	PIPE WALL THICKNESS	FIRE RESISTANCE	
			Integrity	Insulation
PVC	100 to 150 mm	2.0 to 3.2 mm	120	120
PVC + Coupling	100 to 150 mm	6.6 to 9.5 mm	120	180
PP	160 mm	3.9 to 4.9 mm	120	120
PP + Coupling	110 mm	3.4 mm	180	240
PE-HD	110 to 160 mm	4.2 to 14.6 mm	120	120

EN Approvals By Pipe

PVC

COLLAR	PIPE DIAMETER	PIPE WALL THICKNESS	FIRE RESISTANCE	
			Integrity	Insulation
H65S	40 to 65 mm	3.0 to 4.7 mm	180	240
H110S	50 to 100 mm	2.0 to 3.2 mm	180	180
H150S	100 to 150 mm	2.0 to 3.2 mm	120	120

PVC + Coupling

COLLAR	PIPE DIAMETER	PIPE WALL THICKNESS	FIRE RESISTANCE	
			Integrity	Insulation
H65S	40 to 65 mm	3.0 to 4.7 mm	180	240
H110S	50 to 100 mm	2.0 to 6.6 mm	180	180
H150S	100 to 150 mm	6.6 to 9.5 mm	120	180

PP

COLLAR	PIPE DIAMETER	PIPE WALL THICKNESS	FIRE RESISTANCE	
			Integrity	Insulation
H65S	40 to 50 mm	1.8 mm	180	240
H110S	50 to 110 mm	1.8 to 2.7 mm	120	180
H150S	160 mm	3.9 to 4.9 mm	120	120

PP + Coupling

COLLAR	PIPE DIAMETER	PIPE WALL THICKNESS	FIRE RESISTANCE	
			Integrity	Insulation
H65S	40 to 50 mm	1.8 mm	180	240
H110S	110 mm	3.4 mm	180	240
H150S	110 mm	3.4 mm	180	240

PE-HD

COLLAR	PIPE DIAMETER	PIPE WALL THICKNESS	FIRE RESISTANCE	
			Integrity	Insulation
H65S	25 to 63 mm	2.0 to 5.8 mm	180	240
H110S	50 to 110 mm	3.0 to 10.0 mm	120	120
H150S	110 to 160 mm	4.2 to 14.6 mm	120	120

PE-X

COLLAR	PIPE DIAMETER	PIPE WALL THICKNESS	FIRE RESISTANCE	
			Integrity	Insulation
H65S	15 to 63 mm	2.6 to 8.6 mm	90	90

Case Study 1

Project
Woodberry Down

Client
BERKELEY GROUP

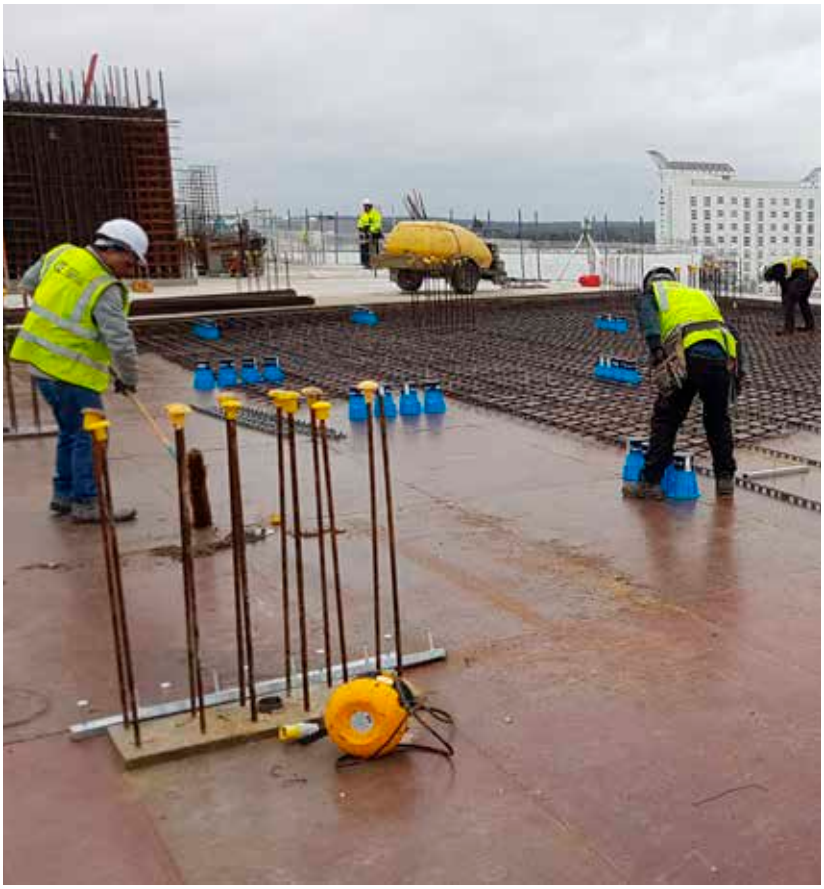
Case Study 2

Project

Royal Winchester House

Client

COMER HOMES GROUP



Case Study 3

Project

Circle Square

Client

JOHN SISK & SON LTD
MPB STRUCTURES

Case Study 4

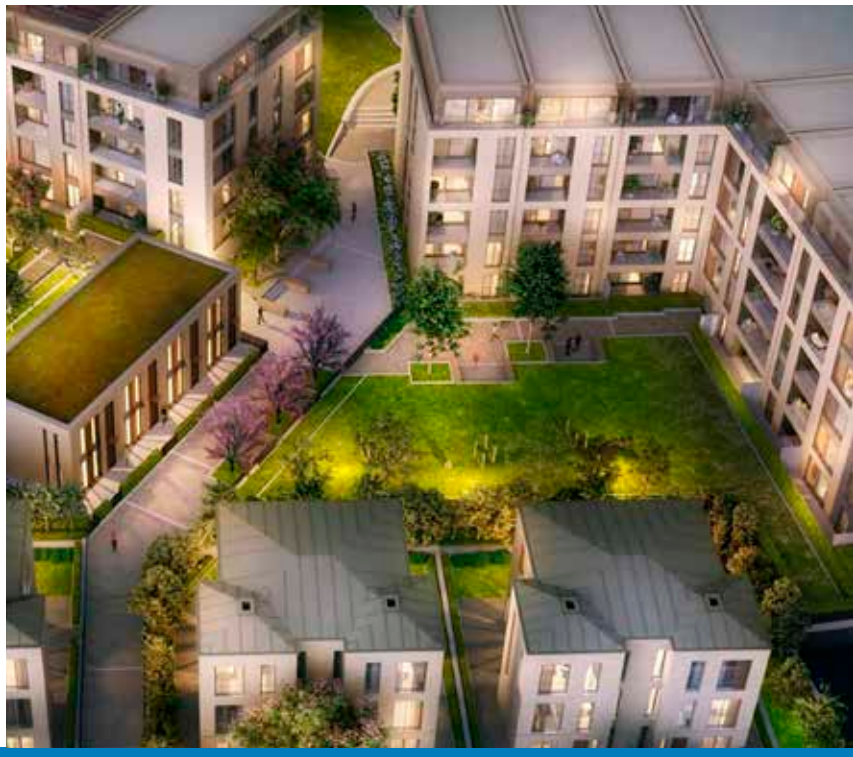
Project
The Rushgroves

Client
L&Q

Case Study 5

Project
Millbrook Park

Client
WILLMOTT DIXON



Toolbox Talks

On-site training to ensure accurate installation, eliminating any making good costs associated with other brands.

Although the Sure Snap Fire Collar is the easiest and most straight forward to install, it always helps to arrange a toolbox talk with one of our Technical Sales Managers.

They will go through with your setting out engineers and site operatives who install the collars, giving effective installation training right from setting out to when the formwork is struck. This serves to eliminate the cost of any making good time.

At Selkent we are passionate about your project and this is just one of the many ways we go the extra mile to support you.

SELKENT
CONSTRUCTION FIXINGS AND TOOLS

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