



Smarter. Easier. Stronger. Safer.





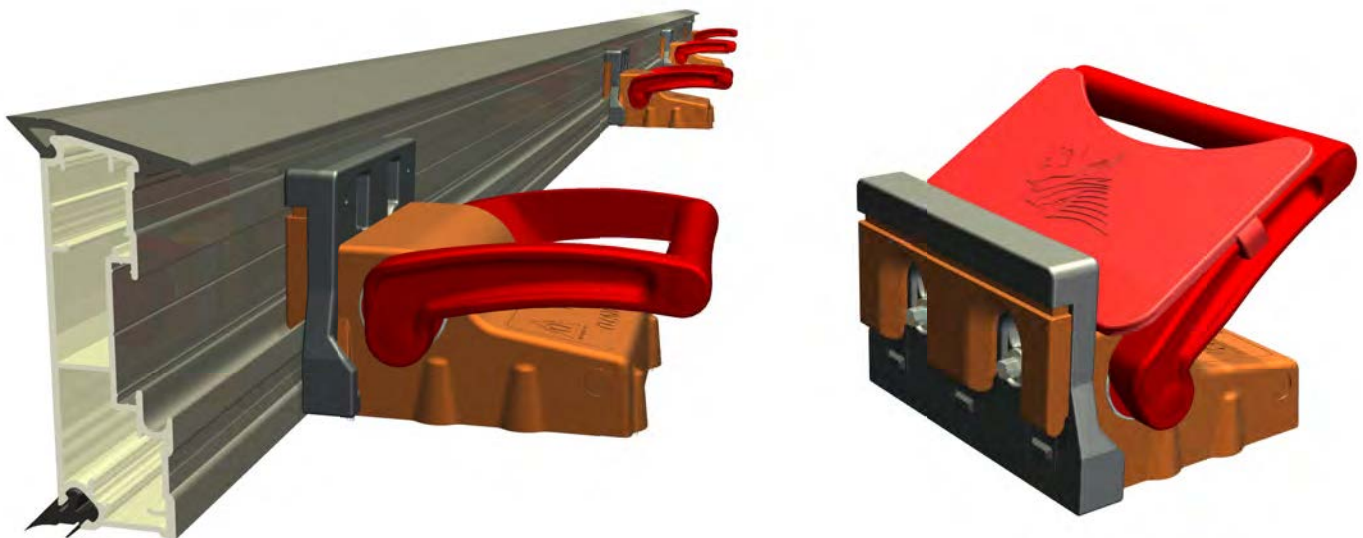
Introducing the complete precast formwork system

The Spartan™ Formwork System brings innovative, smart technology to the precast yard and allows imagination the freedom of full expression in the physical structure.

Central to the Spartan™ Formwork System is the Titan™ Magnet Clamp and Spartan™ Sideform. Together, these products provide unparalleled levels of accuracy, flexibility, efficiency and safety to precast yards.

SRB™ is proud to introduce the next generation of innovative formwork products - and the arrival of the industry's most comprehensive precast formwork solution.

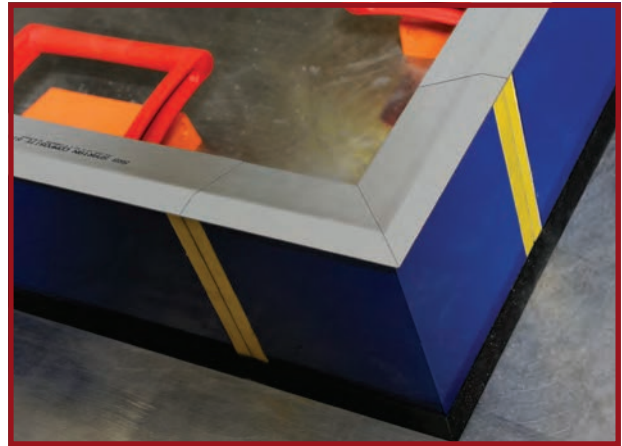
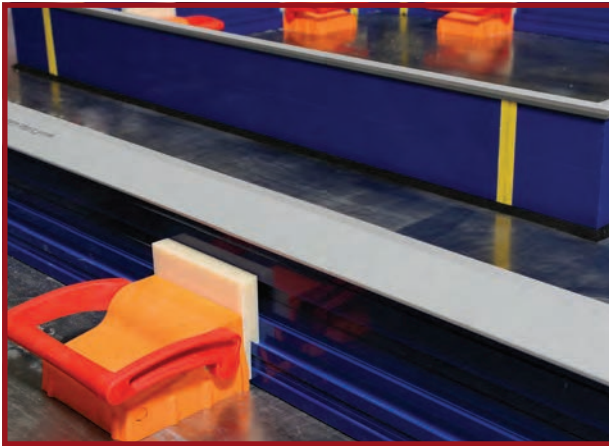
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Spartan™ Sideform System

Features and Benefits



Smarter

Spartan™ Sideform is the only system that enables precasters the flexibility of incremental changes in height and edge chamfer profile with the simple change-over of capping.

Not only can you change the height of the sideform but also the edge profile of the sideform. Now the same sideform can have either a chamfer edge profile or a square edge profile simply by changing the capping profile on the sideform.

The Spartan™ Rubber Base Insert provides a silicone-free seal between the bed and formwork to prevent concrete bleed – eliminate the material and labour costs associated with the silicone application and removal processes.

Easier

The new Spartan™ Internal Corners provide quick and easy set up of penetrations including doorways and windows in precast panels, allowing the precaster to eliminate use of expensive and environmentally harmful polystyrene, Timber and plywood.



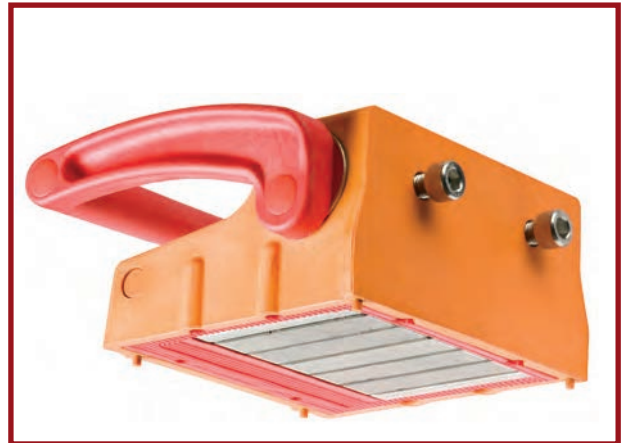
Stronger

Spartan™ Sideform is manufactured from ultra lightweight, high-grade 6082 and 6005A Aluminium Alloys which provides durability and strength. Spartan™ Sideform will not bend or buckle and can withstand measured job site use and abuse.

The Titan™ Magnet Clamp is arguably the industry's most powerful for its size - boasting up to 1,200 kgs (2,646 lb) of pull-down force.

With a total weight of around 3.8 kg (8.4 lb) it is arguably the lightest magnet clamp in its category which makes it a lot easier to use and more efficient to handle.

Its ultra compact design saves space and enables precasters to maximise the working area of a steel bed.



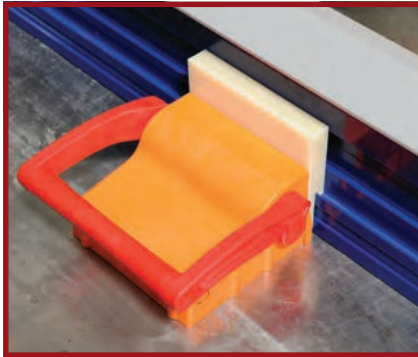
Safer

The Titan™ Precast Magnet Clamp's de-magnetising plate safely secures the magnet to prevent it from unexpectedly engaging on the steel bed – minimising the risk of fingers or other limbs being caught under the magnet.

The Titan™ handle operation eliminates the need for using long levers or bars to disengage the magnet clamp making it a lot safer and easier to use and handle.

Spartan™ Sideform's innovative aluminium design is significantly lighter than traditional steel formwork, improving OH&S and making it much safer to use.

Titan™ Magnet Clamp



The Titan™ Precast Magnet is arguably the strongest magnet for its size and is significantly smaller than other commercially available magnets:

Smaller and lighter: Weighs just 3.8 kgs (8.4 lb)


Stronger: Up to 1,200 kgs (2,646 lb) of pull-down force!

Rubber Base Skirt: Fully seals the underside of the housing to protect against dirt, metal particles and other contaminants. The Rubber Skirt also minimises the possibility of fingers or limbs being caught under the magnet.

De-magnetising Plate: Safely secures the magnet to prevent it from unexpectedly engaging against the steel bed.

Easy to Clean: Concrete does not stick to the magnet's plastic housing, making it quick and easy to clean. Comes with a hinged Rubber Flap for additional protection.

Durable: The 8 mm (0.31") reinforced plastic housing is job site tough!

	Item Code:	TMC
	Colour:	Orange/Red
	Dimensions:	140 mm L x 155 mm W x 85 mm H 5.5" L x 6.1" W x 3.4" H
	Specifications:	Weight: 3.8 kgs (8.4 lb) Up to 1,200 kgs (2,646 lb) pull-down force

CLEANING

- The Titan™ Magnet Clamp housing is made from a glass reinforced plastic which prevents concrete from sticking to it, making it easy to clean. There is no need or requirement to spray or apply release agents to either the Titan Magnet Clamp or the Spartan Sideform and the products perform better without application of release agents or mould oils.
- The magnet housing can be cleaned by using a dry/damp cloth or a fine plastic bristle brush.
- The underside of the magnet (the magnet pack) should be cleaned of any foreign matter. This will enable the magnet to sit flush on the precast bed and perform to specification.
- Do not clean the Titan™ Magnet Clamp using high pressure water cleaners, acids or aggressive detergents. The magnet clamps can be cleaned from the top only with low pressure water only over a grate or drain to prevent water pooling at base of magnet.

PERIODIC MAINTENANCE

1. Turn the magnet upside down and check that the bottom is clean and free from slurry, metal wire and other particles. It can be cleaned with a rag or by using a plastic scraper (the Spartan™ Capping Removal Tool: CRT).
2. While the magnet is in this position, check that there is no excessive wear on the rubber skirting. If required, the rubber skirting can be replaced.
3. Make sure that the handle bolts are securely fastened using a 4mm or 5/32" hex wrench. If they are loose, remove the bolts, apply Loctite® (262) and replace. The Loctite® will prevent the bolts from working loose again.
4. Remove any excessive concrete build up from the magnet handles. Avoid hitting handles with a hammer. If there is any visible damage, the handles should be replaced.
5. Remove the adapter plate and clean both the front of the magnet housing, and the adapter plate. Ensure that the bolts are only finger-tight when replaced. DO NOT over-tighten the bolts.

STORAGE

When not in use, the Titan™ Magnet and sideform, like any other capital equipment, should be cleaned and stored away under cover to prevent accidental damage.

The magnets can be stored on any clean surface or SRB Workstation Rack / Stillage.




Spartan™ Sideform



Spartan™ Composite Sideform is manufactured from a unique combination of composite materials and offers a multitude of benefits over traditional steel or wood formwork.

1. **Lightweight:** Spartan™ Composite Sideform is significantly lighter than steel formwork reducing any potential OH&S issues.
2. **Thick wall sections:** Sideform will not easily bend or buckle. Thick wall sections provide for proper screw bite when fixing fittings to the sideform.
3. **Centre line marking:** Spartan™ Sideform provides a horizontal line-of-centre to assist with the alignment or positioning of fittings
4. **Easy to Clean:** Epoxy powder coated Spartan™ Sideform can be easily cleaned and is protected against the elements.
5. **Magnet Securing Rail** on the rear of Spartan™ Sideform does not allow concrete to become wedged and is easily removed.
6. Sideform is colour-coded to reflect the variations in height.
7. Spartan™ Sideform accommodates interchangeable top capping for height and profile change flexibility.
8. The Spartan™ Sideform also houses the unique Rubber Base Seal which prevents concrete bleed without the need for use of silicone.

	Item Code	Colour	Dimensions (LxH)	Weight (kg)
	SCS100	White	5.8m x 100 mm (19' x 4")	13.17 (29.04 lb)
	SCS150	Grey	5.8m x 150 mm (19' x 6")	19.95 (43.98 lb)
	SCS175	Blue	5.8m x 175 mm (19' x 7")	22.38 (49.34 lb)
	SCS200	Burgundy	5.8m x 200 mm (19' x 8")	24.65 (54.32 lb)
	SCS225	Beige	5.8m x 225 mm (19' x 8")	27.04 (59.61 lb)
	SCS250	Grey	5.8m x 250 mm (19' x 8")	29.43 (64.88 lb)

CLEANING

- The unique epoxy powder-coating makes cleaning the sideform easy and more efficient. The epoxy powder coating minimises concrete adhesion.
- Once stripped, clean the sideform surfaces using a damp cloth, the Spartan™ Capping Removal Tool (CRT) or a fine plastic bristle brush. Cleaning as soon as possible after stripping will make it easier and will prolong the life of the epoxy coating.
- DO NOT clean the sideform using high pressure water cleaners, aggressive detergents or chemicals as these may prematurely wear the epoxy powder-coating, damage the top capping and rubber base – as well as potentially forcing sediment in between the rubber base and the sideform.

PERIODIC MAINTENANCE

1. Remove the rubber base from the sideform body and check that both the bottom recess and the base slots are clean.
2. Turn the sideform upside down and check that the bottom is clean. If not, use the Spartan™ Capping Removal Tool (CRT) to scrape away any foreign materials from the base.
3. On the back of the Spartan™ Sideform, use the Capping Removal Tool to clean the “Ball Lock Rail” and joiner plate slots.
4. If there are any sections of top capping showing excessive wear, they can be replaced by removing the capping from the side body and simply cutting out the segment and replacing it with a new section cut to the required size.

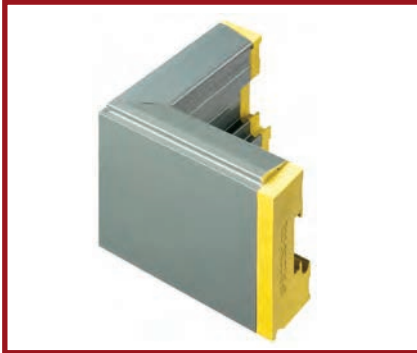
STORAGE

When not in use, Spartan™ Sideform should be stored in racks or SRB Sideform Stillages.

Spartan™ Sideform Reference Chart

Panel Thickness (mm)	Spartan Sideform				Spartan Sideform Capping					Spartan Rubber Base Insert				Spartan Internal Corner Kits				Joiner Plates	
	Height (mm)	Length (m)	Pack Qty:	Part No.	Colour:	Length (m)	Pack Qty:	Chamfer Part No.	Square Part No.	Colour:	Length (m)	Pack Qty:	Chamfer Part No.	Square Part No.	Part No.	Pack Qty:	Internal Cap Packs:	Rubber Base Insert:	Part No.
125 (5.0")	125 (5 inch)	5.8 (19')	4	SCS125	Grey	3 (9.84')	4	SCC12C00	SCCSQ00	BLACK	6 (19.69')	5	RBI1212	RBISQ	SFIC125PK	4	CAPCIP1200	BIC12CK	SJP100125
130 (5.1")					White			SCC12C05									CAPCIP1205		
135 (5.3")					Green			SCC12C10									CAPCIP1210		
140 (5.5")					Burgandy			SCC12C15									CAPCIP1215		
145 (5.7")					Orange			SCC12C20									CAPCIP1220		
150 (6.0")	Blue	SCC12C25		CAPCIP1225															
150 (6.0")	150 (6 inch)	5.8 (19')	4	SCS150	Grey	3 (9.84')	4	SCC12C00	SCCSQ00	BLACK	6 (19.69')	5	RBI1212	RBISQ	SFIC150PK	4	CAPCIP1200	BIC12CK	SJP150200
155 (6.1")					White			SCC12C05									CAPCIP1205		
160 (6.3")					Green			SCC12C10									CAPCIP1210		
165 (6.5")					Burgandy			SCC12C15									CAPCIP1215		
170 (6.7")					Orange			SCC12C20									CAPCIP1220		
175 (7.0")	Blue	SCC12C25		CAPCIP1225															
175 (7.0")	175 (7 inch)	5.8 (19')	4	SCS175	Grey	3 (9.84')	4	SCC12C00	SCCSQ00	BLACK	6 (19.69')	5	RBI1212	RBISQ	SFIC175PK	4	CAPCIP1200	BIC12CK	SJP150200
180 (7.1")					White			SCC12C05									CAPCIP1205		
185 (7.3")					Green			SCC12C10									CAPCIP1210		
190 (7.5")					Burgandy			SCC12C15									CAPCIP1215		
195 (7.7")					Orange			SCC12C20									CAPCIP1220		
200 (8.0")	Blue	SCC12C25		CAPCIP1225															
200 (8.0")	200 (8 inch)	5.8 (19')	4	SCS200	Grey	3 (9.84')	4	SCC12C00	SCCSQ00	BLACK	6 (19.69')	5	RBI1212	RBISQ	SFIC200PK	4	CAPCIP1200	BIC12CK	SJP150200
205 (8.1")					White			SCC12C05									CAPCIP1205		
210 (8.3")					Green			SCC12C10									CAPCIP1210		
215 (8.5")					Burgandy			SCC12C15									CAPCIP1215		
220 (8.7")					Orange			SCC12C20									CAPCIP1220		
225 (9.0")	Blue	SCC12C25		CAPCIP1225															

Spartan™ Internal Corner Kits







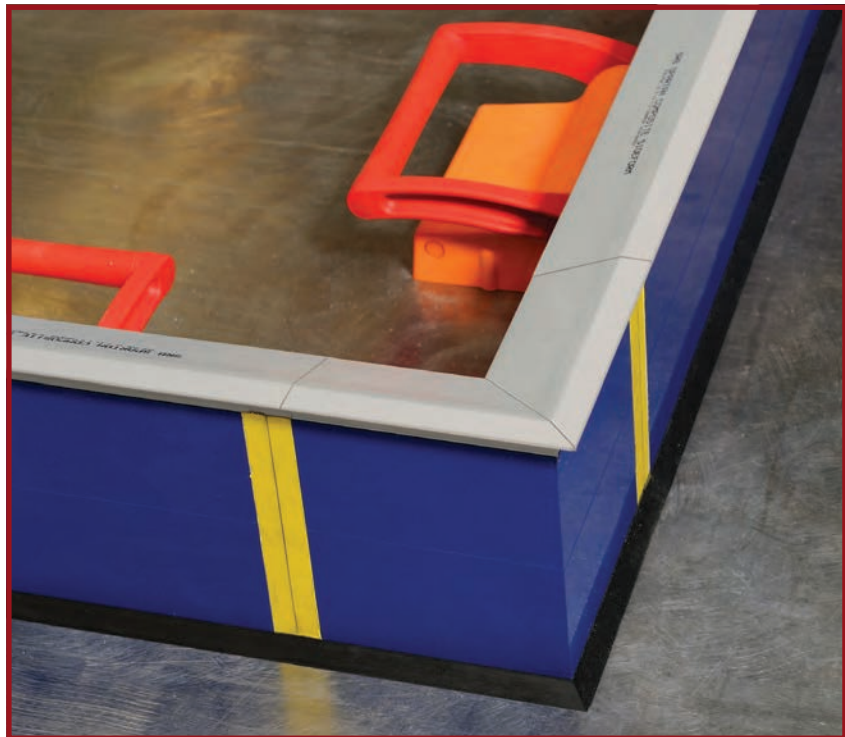
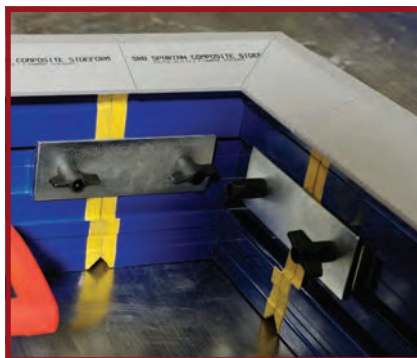
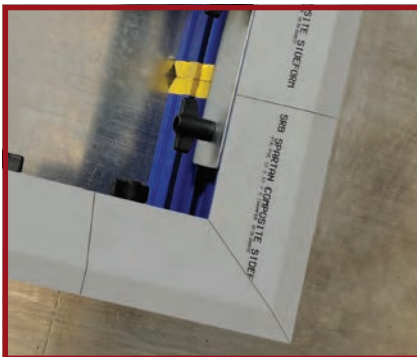
Spartan™ Internal Corner Sideform Kits

The Spartan™ Internal Corner Kits are available to suit 125mm (5"), 150mm (6"), 175mm (7") and 200mm (8") base sideform.

The Internal Corner Kits provide the flexibility in design of window and door cavities or for use in the set up of non-standard panel design.

The Internal Corner Kits are available as a complete pack of 4 corners with End Caps. Internal Corner capping packs and pre-cut Rubber Base Insert Kits for corners are sold separately.

				Item Code	Colour	For use with:
SFIC125PK	SFIC150PK	SFIC175PK	SFIC200PK	SFIC125PK	Green	SCS125 (5" Sideform)
				SFIC150PK	Grey	SCS150 (6" Sideform)
				SFIC175PK	Blue	SCS175 (7" Sideform)
				SFIC200PK	Burgundy	SCS200 (8" Sideform)
				Specifications: 4 corners per kit. Sideform corners sold with end caps. Capping and base inserts (pictured left) are sold separately.		





SRB SPARTAN COMPOSITE SIDEFORM

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Spartan™ Accessories

Spartan™ Sideform Capping

The Spartan™ Sideform Capping provides precasters with the flexibility to change sideform height and profile without the need to invest in entirely new sideform.

Available in 5 sizes ranging from +0mm to +25mm in 5mm increments (+0" to 1" in 0.2" increments), the Spartan™ Top Cap simply snaps on to the sideform, and snaps off as required.

The PVC capping is easy to clean with the use of the Spartan™ Capping Removal Tool (CRT) and is inexpensive to replace.

The Spartan™ Square Profile Top Cap is currently available in +0, and provides a creative point of difference to the Spartan™ range of 12mm x 12mm (0.5" x 0.5") Chamfered Top Caps. The square capping profile will be available in the full range of height to +25 mm (1") in the near future.

Chamfer – 12 mm x 12 mm (0.5" x 0.5") Profile

	Item Code	Colour	Dimensions (L x H)
	SCC12C00	Grey	3 m x 0 mm (9.8' x 0.0")
	SCC12C05	White	3 m x 5 mm (9.8' x 0.2")
	SCC12C10	Green	3 m x 10 mm (9.8' x 0.4")
	SCC12C15	Burgundy	3 m x 15 mm (9.8' x 0.6")
	SCC12C20	Orange	3 m x 20 mm (9.8' x 0.8")
	SCC12C25	Blue	3 m x 25 mm (9.8' x 1.0")

Square - Profile





	Item Code	Colour	Dimensions (L x H)
	SCCSQ00	Light Grey	3 m x 0 mm (9.8' x 0.0")



Spartan™ Sideform End Caps

Spartan™ End Caps provide a silicone free joint between sideform sections, preventing concrete bleed through gaps in temporarily joined sideform.

Likewise, the Spartan™ End Caps plug the ends of the sideform, preventing any concrete from filling the internal cavities.

	Item Code	Colour	For use with:
	SFEC125	Yellow	SCS125 (5" Sideform)
	SFEC150	Yellow	SCS150 (6" Sideform)
	SFEC175	Yellow	SCS175 (7" Sideform)
	SFEC200	Yellow	SCS200 (8" Sideform)

Specifications: Sold in pairs. Left and right hand sets.

Spartan™ Sideform Extensions


Spartan™ Sideform Extensions are designed to enable quick and easy set up of external corners, reducing the need for repeated measuring and cutting of both your existing sideform and capping. The sideform extensions are supplied complete with End Caps and are 150mm (6") in length. The extensions can be quickly connected to your existing sideform with the use of a joiner plate. Spartan™ External Corner Capping is also cut to 150mm (6") in length, and is sold separately. Spartan™ Sideform Extensions are available in a 4 piece pack.

	Item Code	Colour	Dimensions (W x H)	Box Qty
	SF125EXT	Green	150 x 125mm (6" x 5")	4
	SF150EXT	Grey	150 x 150mm (6" x 6")	4
	SF175EXT	Blue	150 x 175mm (6" x 7")	4
	SF200EXT	Burgundy	150 x 200mm (6" x 8")	4


Spartan™ Corner Top Cap Packs

The Internal Corner Cap packs are specifically designed to fit the Spartan™ Internal Corner System and are available in an 8 piece (4 pair) pack ranging in sizes from +0 mm through to +25 mm in 5 mm increments for chamfer profile.

Spartan™ Corner Top Cap is cut to a specific length to cover the End Caps, which allows for a quick and easy butt join of capping.

Internal Corner Capping				
	Item Code	Profile	Colour	Height
	CAPCIP1200	Chamfer	Grey	0 mm (0.0")
	CAPCIP1205	Chamfer	White	5 mm (0.2")
	CAPCIP1210	Chamfer	Green	10 mm (0.4")
	CAPCIP1215	Chamfer	Burgundy	15 mm (0.6")
	CAPCIP1220	Chamfer	Orange	20 mm (0.8")
	CAPCIP1225	Chamfer	Blue	25 mm (1.0")
	CAPSQIP00	Square	Light Grey	0 mm (0.0")

External Corners provide a seamless join of sideform that meets as a T-section on the external perimeter of the panel.


External Corner Capping			
	Item Code	Colour	Height
	CAPCEP1200	Grey	0 mm (0.0")
	CAPCEP1205	White	5 mm (0.2")
	CAPCEP1210	Green	10 mm (0.4")
	CAPCEP1215	Burgundy	15 mm (0.6")
	CAPCEP1220	Orange	20 mm (0.8")
	CAPCEP1225	Blue	25 mm (1.0")


Spartan™ Rubber Base Inserts

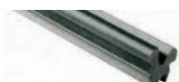
Not all steel beds are perfectly flat and small gaps do appear between the underside of the sideform and the bed. These can cause concrete bleed or seepage. Traditionally, a bead of silicone is used between the sideform and the steel bed - a labour intensive and cost prohibitive exercise.

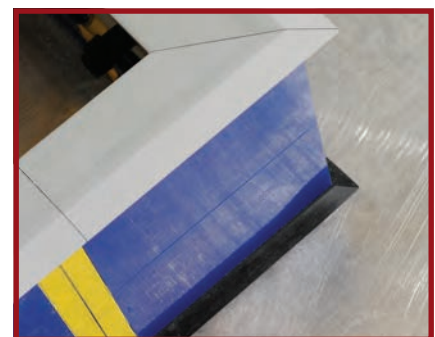
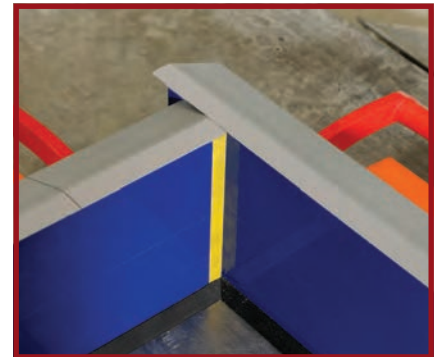
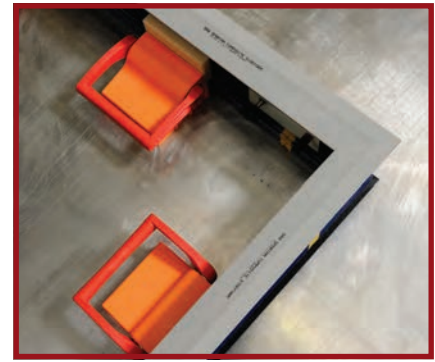
Spartan™ Rubber Base inserts are an industry first. An innovation that prevents concrete bleed without the use of silicone - saving precast yards valuable time and money.

Spartan™ Rubber Base Inserts are also available in an 8 piece pack, pre-cut to provide a perfect right angle join when fitted to both Internal and External Corners.

Chamfer			
	Item Code	Colour	Dimensions
	RBI1212	Black	6 m (19.7') lengths

Chamfer – Internal and External Corner Packs			
	Item Code	Colour	For use with:
	BIC12CK	Black	Internal Corners
	BIC12ECK	Black	External Corners or Sideform Extensions

Square			
	Item Code	Colour	Dimensions
	RBISQ	Black	6 m (19.7') lengths





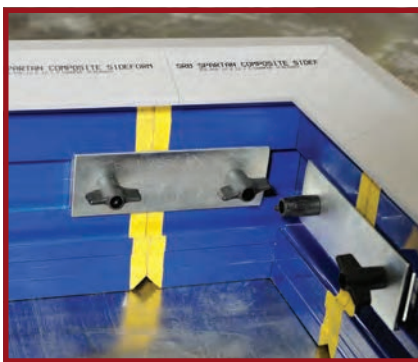
Titan™ Magnet Adapter Plates

The Titan™ range of Magnet Adapter Plates are the crucial link in the Spartan™ Formwork System, enabling quick and easy interchangeability of the magnet between sideform of varying size.

The Magnet Adapter Plate is slotted over the two hex bolts that are supplied with the magnet.

Hand tighten bolts (as pictured left). NOTE: Do not over tighten bolts!



Item Code	Suits	Dimensions (L x W x H)
TBAP055	SCS055 (2.2" Sideform)	145 x 40 x 80 mm (5.7"x 1.6"x 3.2")
TBAP100	SCS100 (4" Sideform)	145 x 20 x 70 mm (5.7"x 0.8"x 2.6")
TBAP125	SCS125 (5" Sideform)	145 x 20 x 85 mm (5.7"x 0.8"x 3.4")
TBAP150175	SCS150 & (6" Sideform) SCS175 (7" Sideform)	145 x 20 x110 mm (5.7"x 0.8"x 4.3")
TBAP200	SCS200 (8" Sideform)	145 x 20 x160 mm (5.7"x 0.8"x 6.3")
TBAP225250	SCS225 & (9" Sideform) SCS250 & (10" Sideform)	145 x 20 x210 mm (5.7"x 0.8"x 6.3")



Spartan™ Sideform Joiner Plates

Spartan™ Joiner Plates are used for temporary or semi-permanent joining of sideform and used for joining the Spartan Internal Corner system.

Available in two sizes, the Joiner Plates are available for the 100 mm (4") and 125 mm (5") sideform (SJP100125) and also available for the 150 mm (6"), 175 mm (7"), 200 mm (8"), 225 mm & 250 mm sideform (SJP150250).

	Item Code: SJP100125 Colour: Silver Specifications: Suits Spartan™ Sideform SCS100 (4") and SCS125 (5")
	Item Code: SJP150250 Colour: Silver Specifications: Suits Spartan™ Sideform SCS150 (6"), SCS175 (7"), SCS200 (8") SCS225 (9") and SCS250 (10")

HANDY HINT

PERMANENT JOINING OF SIDEFORM

Whilst Joiner Plates are recommended for temporary or semi-permanent joining of sideform and internal corners, Spartan™ Sideform can be permanently joined using square stainless steel tubing.




- The size of tubing required varies depending on the height of the sideform you are using: 100 mm to 125 mm (4" to 5") sideform use two 19.05 mm x 19.05 mm x 300 mm (3/4" x 3/4" x 12") long sections. 150 mm to 200 mm (6" to 8") sideform use two 25.4 mm x 25.4 mm x 300 mm (1" x 1" x 12") long sections.
- Insert the two lengths of tubing 150 mm (6") into the end of the sideform.
- Lay the sideform on its front face.
- Using stainless steel screws, 8 g x 25 mm (8 g x 1") fasten the tubing into position. To ensure a solid connection, 2 screws per side per tube are required.
- To aid in this process, Spartan™ Sideform features centreline marks on the rear face to help locate the point of the screw.
- Push the other length of the sideform into position and repeat the fastening process.



Spartan™ Capping Removal Tool

The Spartan™ Capping Removal Tool is a multi-purpose tool designed for the removal of capping, cleaning concrete from sideform and capping, and its unique Ball Lock Rail base helps remove concrete build up. The Capping Removal Tool's moulded Ball Lock Rail base also helps pull sideform away from the finished concrete panel.

	Item Code CRT	Colour Orange	Dimensions (L x W x H) 220 mm x 70 mm x 50 mm (8.7" x 2.8" x 2")
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Titan™ Ball Lock Rail Strip

The Titan™ Ball Lock Rail Strip (BLRS) screws onto other sideform systems including lumbar and plywood, adapting it for use with the Titan™ Magnet Clamp or with the Titan™ Screw Fix Bracket (TSFB).

	Item Code BLRS	Colour Yellow	Dimensions (L x W x H) 155 x 10 x 42 mm (6.1" x 0.4" x 1.7")
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Titan™ Screw Fix Bracket

The Titan™ Screw Fix Bracket (TSFB) can be used as an alternative to the Titan™ Magnet Clamp and is ideal for semi-permanent set up of sideform. The TSFB simply screws into the bed with the use of a single screw. The Magnet Adapter Plate is attached in the same manner as the Titan™ Magnet Clamp.

	Item Code TSFB	Colour Silver	Dimensions (H x W x D x T) 100 x 100 x 75 x 6 mm (4" x 4" x 3" x 0.25")
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Assembly and How to Use

Preparing the Sideform:



Attaching the Top Capping

To attach the top capping onto the sideform, hook the front of the capping into the top, front recess of the sideform.

Push the rear of the capping down so that it clips firmly into position. Once the capping is clipped onto one end, move along the full length of the sideform body.



Removing the Top Capping

The capping is easily removed by using the Capping Removal Tool (CRT). Likewise, the capping can be removed by placing the sideform upside down and, whilst holding it vertically, gently pushing down with your heel onto the overhanging section and tilting the sideform forward. The capping will unclick.



Installing the Rubber Base

To install the rubber base, lay the sideform body flat onto its back and using your fingers, push the rear of the base into the bottom slot of the sideform.

Once the base is in position at one end, move along until you reach the end of the sideform.



Installing the End Caps

Spartan™ End Caps are easily installed by aligning the end cap with the sideform and gently pressing it into position. The end caps are easily removed if required, but are recommended for seamless joining of sideform and bleed-free panels.

Handy Hint: When cutting Spartan™ Sideform to length, ensure cuts are made with a docking saw running an aluminium blade and always use a wax stick lubricant to prevent burs. Sideform which is free of aluminium burs results in a precise and easy fit of the end caps.

When the top capping, rubber base and end caps have been installed correctly, the sideform is ready for use.

Preparing the Magnet Clamp

Each Titan™ Magnet is supplied with 2 hex bolts that are used to secure the adapter plate to the magnet housing.

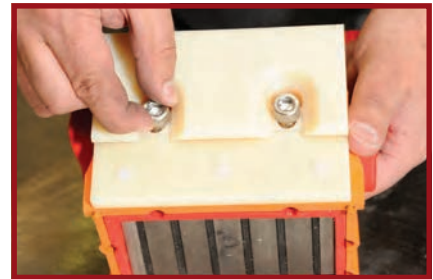
Partially install the bolts to the housing (approx 3 turns).

Slot the adapter plate over the head of the bolts. Pull the adapter plate up until the bottom of the slotted holes are hard up against the bolts.

Ensure bolts are only finger tight. DO NOT OVER TIGHTEN THE BOLTS.

Ensure that the back of the adapter plate is flush with the front of the magnet housing.

The Magnet is now ready for use.



Using the Magnet Clamp

Place the Titan™ Magnet behind the sideform at the recommended spacing. Magnet spacing varies depending on the height of the sideform you are using. The recommended spacing of magnets listed below, are based on a steel bed with a plate thickness of approximately 10mm to 12mm.

MAGNETS SHOULD BE SPACED AS FOLLOWS:

- 100 mm to 170 mm (4" to 6.7") high sideform
Magnets should be spaced 1.5 m to 1.8 m (5' to 6') apart
- 175 mm to 195 mm (7" to 7.7") high sideform
Magnets should be spaced 1.2 m to 1.5 m (4' to 5') apart
- 200 mm to 225 mm (8" to 9") high sideform
Magnets should be spaced 1.0m to 1.2m (3.3' to 4') apart
- 225 mm to 250 mm (9" to 10") high sideform
Magnets should be spaced 0.6m to 1.0m (2.0' to 3.2') apart

STAGE 1: ATTACHING THE MAGNET TO THE SIDEFORM

Starting from one end of the sideform, tilt the sideform forward (away from the magnet) and seat the male section of the ball lock (located on the front of the adapter plate) into the female recess ball lock rail located on the rear face of the sideform.

At this stage, the magnet should be fully disengaged with the handle in the upright position. Refer to Image (A).

STAGE 2: PARTIAL ENGAGEMENT

The Titan™ Magnet Clamp can be partially engaged to provide enough initial magnetism to remain in place. The magnet is partially engaged by pushing the handle half way down, or at an angle of approximately 45 degrees. Refer to Image (B). If fine adjustment of position is required, the magnet housing or the sideform can be gently tapped with a rubber mallet or by foot.

It is important not to use hammers or similar devices, as both the sideform and magnet can be damaged. Once the first magnet has been positioned, continue along the full length of the sideform until all magnets are correctly located.

STAGE 3: FULL ENGAGEMENT

Once the magnets and sideform are in the required position, fully engage each magnet by pushing the handle down towards the precast bed. The magnets are now locked into position. Refer to Image (C).



TITAN™ MAGNET CLAMP IS FULLY DISENGAGED.

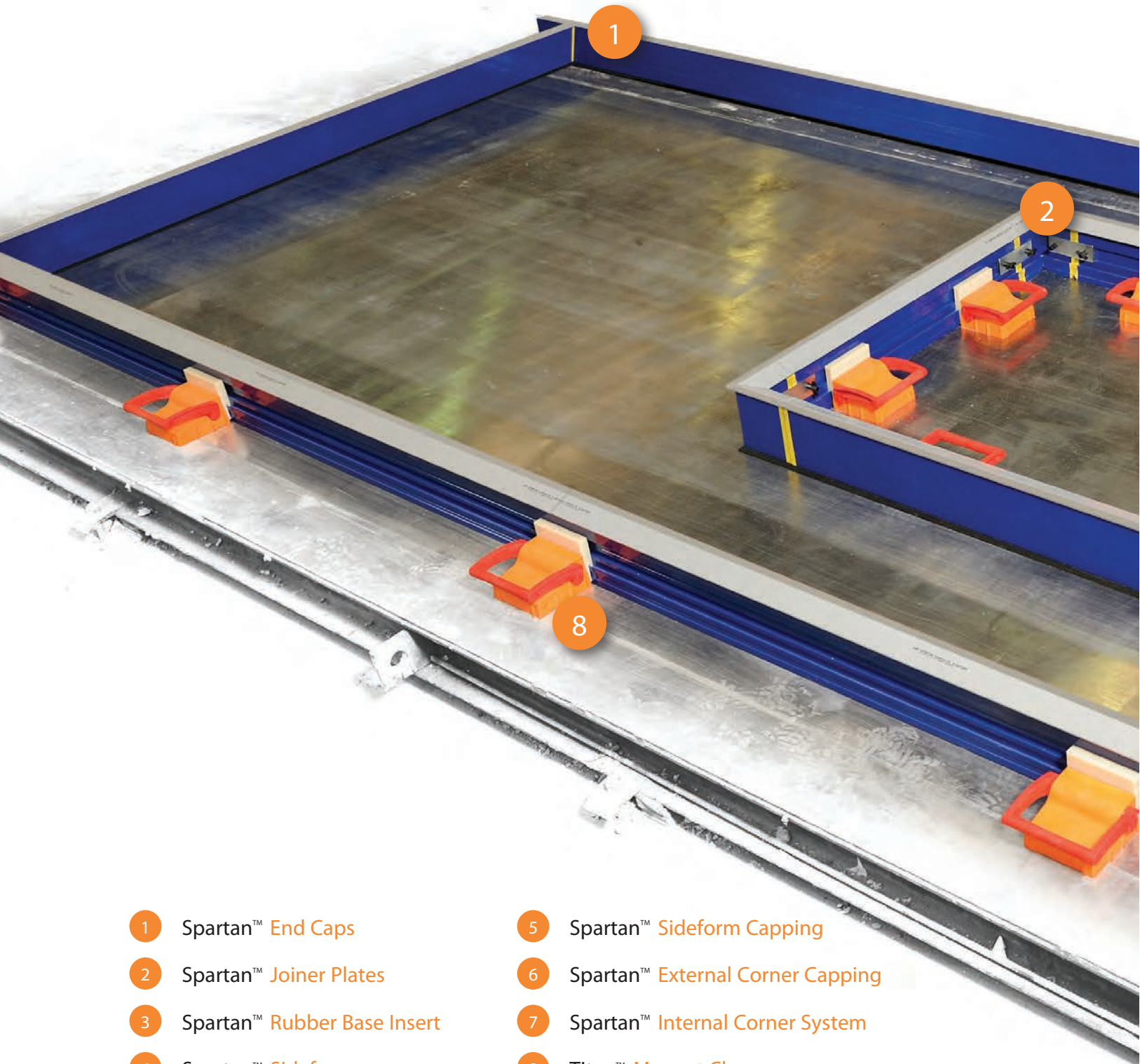


TITAN™ MAGNET CLAMP IS PARTIALLY ENGAGED.



TITAN™ MAGNET CLAMP IS FULLY ENGAGED.

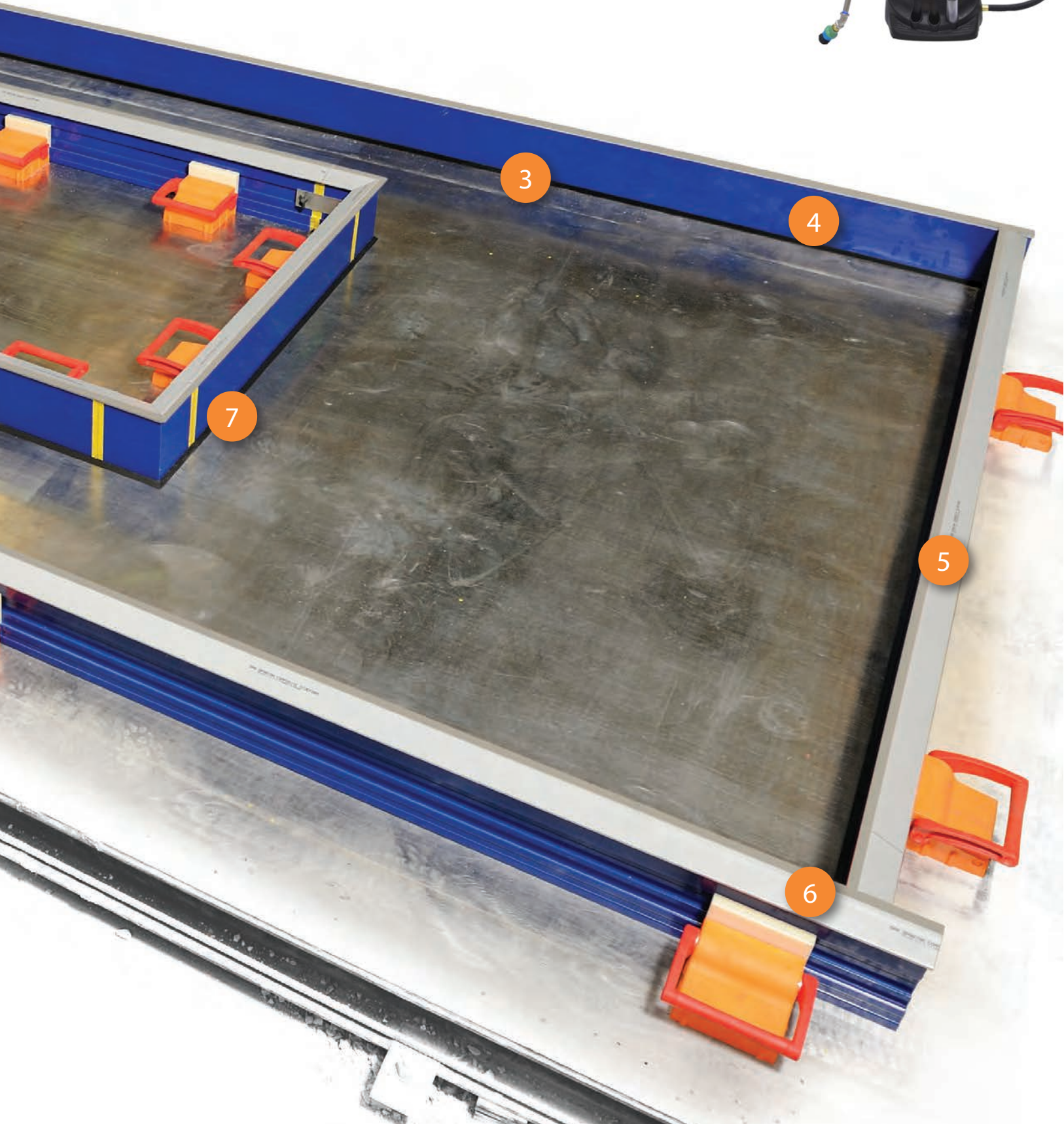
Steel Bed Layout



- 1 Spartan™ End Caps
- 2 Spartan™ Joiner Plates
- 3 Spartan™ Rubber Base Insert
- 4 Spartan™ Sideform
- 5 Spartan™ Sideform Capping
- 6 Spartan™ External Corner Capping
- 7 Spartan™ Internal Corner System
- 8 Titan™ Magnet Clamp

Panel Setup: It is important to ensure that the beds are clean and free of any foreign matter. Place the sideform on the precast bed in the desired position. If required, the sideform can be cut-to-length by using a 'Drop Saw' with a fine tooth wood or specific aluminium cutting saw blade. To ensure a smooth cut, it is important to use paraffin wax on the blade.

For the best results hands-down, pair your SRB Spartan Forms and Titan Magnets with Nox-Crete Form Release Agents and Sprayers. Nox-Crete manufactures high performance release agents known industry-wide for producing the highest quality concrete finishes. For an onsite demo contact Nox-Crete at: 402.341.2080 or productsandsales@nox-crete.com





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