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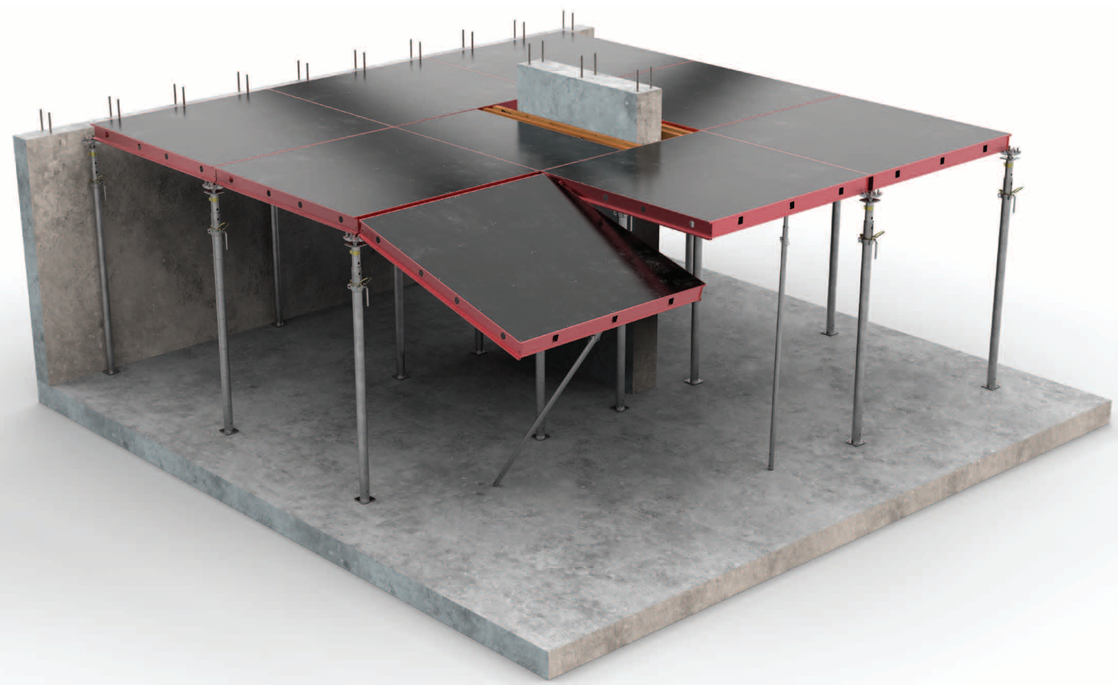
PROSCAFF

Reliable
Safe
On-time

PROSCAFF ENTERPRISES INC.

RAPID DECK FORMING MULTI-STORY CONCRETE CONSTRUCTION

Combining strength, speed, and simplicity.



RAPID DECK FORMING

INTRODUCTION:

The Proscaff RAPID DECK™ Forming System is a modular slab formwork solution engineered for multi-story concrete construction. With support for slabs up to 560 mm thick and finished floor-to-floor heights in excess of 6 m, RAPID DECK™ combines strength, speed, and simplicity.

MAIN FEATURES:

Designed for efficiency, the system requires only two main components, enabling quick setup with minimal training. Crews of 4 can achieve installation rates of more than 800 m2 per 4 workers a day on standard flat slabs.

RAPID DECK™ is completely installed from the safety of the floor level below, with panels swung into place using an erection rod, followed on by prop placement, locking each panel in place ready for the wet concrete load. It's that simple.

RAPID DECK™ panels are constructed with bonded 9-ply veneers and encased in aluminium edge frames. This ensures strong, durable panels with tight joints and reduced cleaning effort.

BENEFITS:

FAST ASSEMBLY:
Two component assembly (panel & prop) boost productivity.

ECONOMICAL:
Lightweight 1.8 m × 1.8 m panels reduce labour.

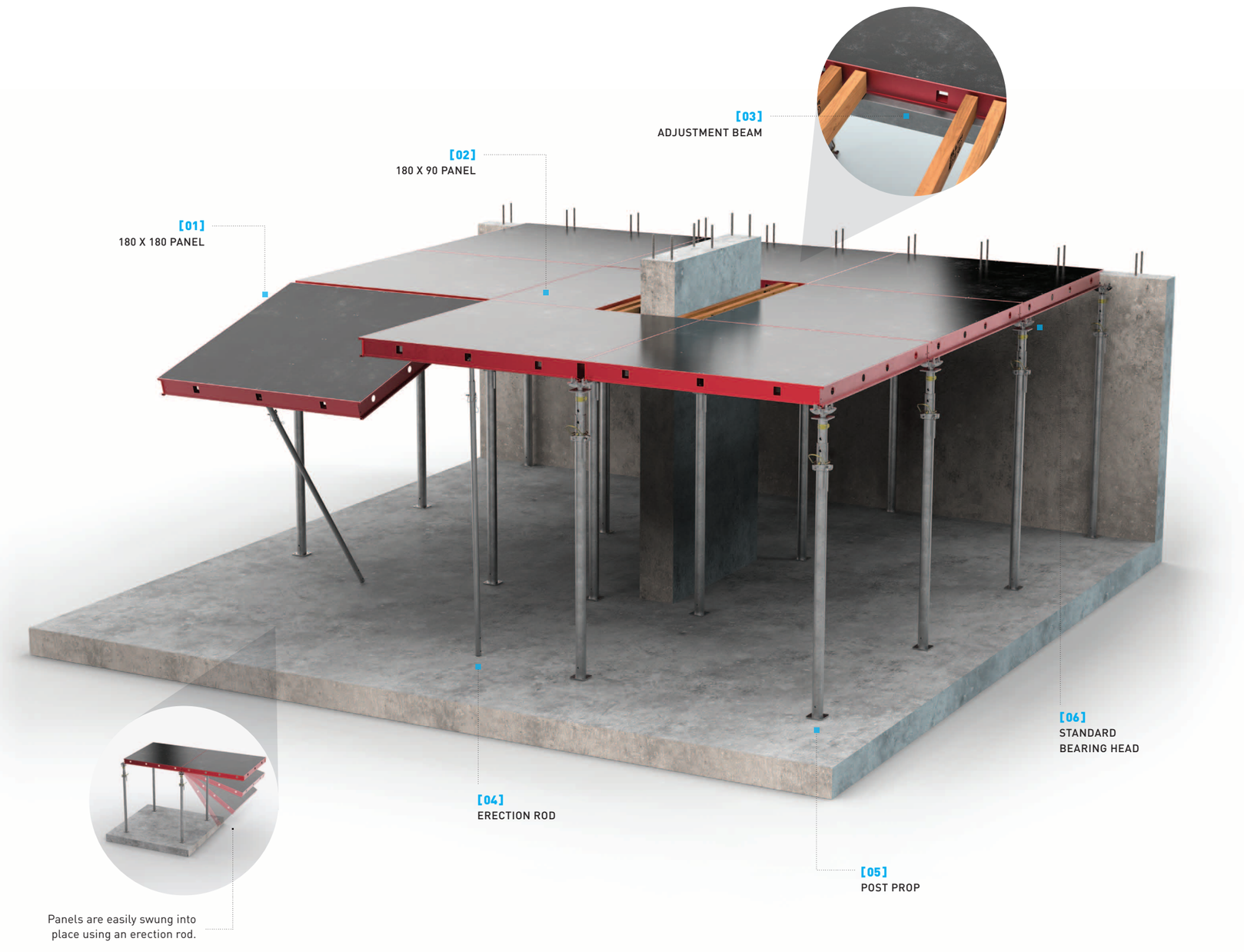
STRONG & COMPLIANT:
Capacities verified to AS3610 standards (Australia).

ROBUST:
Aluminium frames reduce maintenance and prolong service life.

DURABLE:
Well maintained plywood typically lasts years before replacement.

ADAPTABLE:
9 panel sizes and modular infill options suit a wide range of layouts.

WORKER FRIENDLY:
A simple system with uncomplicated procedures allows safe erection and dismantling, even for new crews with minimal forming experience.



RAPID DECK FORMING

CORE COMPONENTS:



180 x 180 cm Aluminium-Framed Panel

Panels

Aluminium-framed panels available in multiple sizes.

PRODUCT		WEIGHT
ITEM	PART. NO	KG
180 × 180 cm – Standard	70DFP180	45
180 × 90 cm	70DFP090	21
180 × 75 cm	70DFP075	19
180 × 60 cm	70DFP060	16
180 × 45 cm	70DFP045	13
90 x 90 cm	70DFP990	12
90 x 75 cm	70DFP975	10
90 x 60 cm	70DFP960	9
90 x 45 cm	70DFP945	7



Standard Bearing Head

Connects four panels at the corners, supports cantilevers from 15-70 cm, and support panels along walls and around columns.

PRODUCT		WEIGHT
ITEM	PART. NO	KG
Standard Bearing Head	70DBH100	2.5

RAPID DECK FORMING

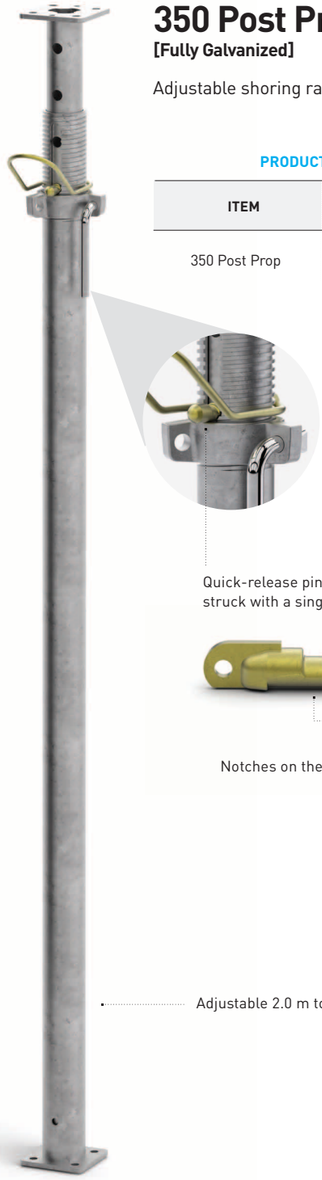
CORE COMPONENTS:

350 Post Prop

[Fully Galvanized]

Adjustable shoring ranges from 2.0 m to 3.5 m.

PRODUCT		WEIGHT
ITEM	PART. NO	KG
350 Post Prop	83PSS350	21



Quick-release pins allow props to be struck with a single hammer tap.



Notches on the pin easily release the prop.

Adjustable 2.0 m to 3.5 m

550 Post Prop

[Fully Galvanized]

Adjustable shoring ranges from 3.0 m to 5.5 m.

PRODUCT		WEIGHT
ITEM	PART. NO	KG
550 Post Prop	83PSS550	34



Adjustable 3.0 m to 5.5 m

RAPID DECK FORMING

ADDITIONAL COMPONENTS:



Adjustment Beams

[180 /90 cm]

Simple support for standard 95 mm LVL's and plywood around infill areas, columns, along walls and transitions to conventional formwork.

PRODUCT		WEIGHT
ITEM	PART. NO	KG
Adjustment Beam -180	71ABM090	13
Adjustment Beam - 90	71ABM180	7



Bracing Frame

[180 cm]

Provides start-up and ongoing, progressive deck stability.

PRODUCT		WEIGHT
ITEM	PART. NO	KG
Bracing Frame -180	70DBF028	18

RAPID DECK FORMING

ADDITIONAL COMPONENTS:



DF Erection Rod

Adjustable rod for lifting panels into place.

PRODUCT		WEIGHT
ITEM	PART. NO	KG
DF Erection Rod	70DER100	3



T-Spring Bolt

Secures the bearing head to the top of prop. The T-Spring Bolt can be inserted and removed in one rapid motion.

PRODUCT		WEIGHT
ITEM	PART. NO	KG
T-Spring Bolt	70CLP100	0.1

RAPID DECK FORMING

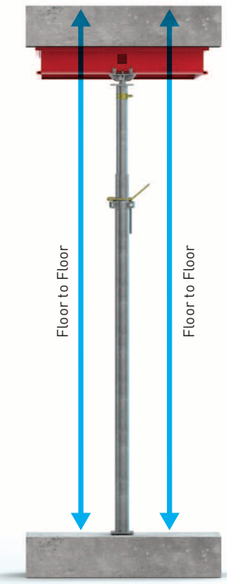
PROP AND PANEL CAPACITIES:

180 X 180 PANEL:

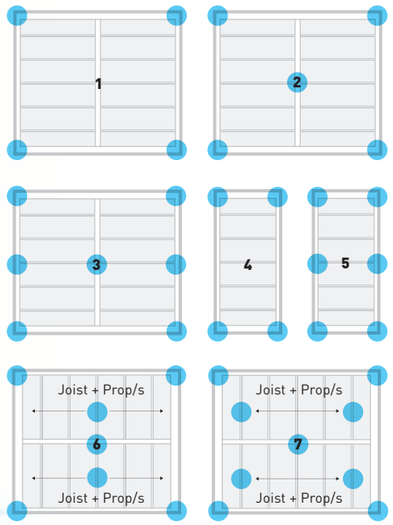
	350 PROP		550 PROP	
SLAB THICKNESS	MAX FLOOR TO FLOOR [MM]	CONFIG	MAX FLOOR TO FLOOR [MM]	CONFIG
150	3960	1	5300 5940	1 2
200	4010	1	4920 5780 5990	1 2 3
225	4035	1	4845 5905 6015	1 2 3
250	4060	1	4740 5430 6040	1 2 3
275*	4002	1	4635	1
295**	3932	1	4585	1
300	4110	2	5250 6090	2 3
350	4160	2	5300 6140	2 3
375**	4185	2	5325 6165	2 3
450	4260	6	6240	6
560	4370	7	6350	7

180 X 90 PANEL:

	350 PROP		550 PROP	
SLAB THICKNESS	MAX FLOOR TO FLOOR [MM]	CONFIG	MAX FLOOR TO FLOOR [MM]	CONFIG
275	4085	4	6065	4
300	4110	4	5930 6090	4 5
350*	4160	4	5680 6140	4 5
375**	4185	4	5655	5



PROP SUPPORT PATTERNS:

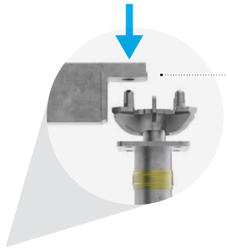


* Max load within L/360
** Max load exceeds L/360
- AS3610 Capacities for Australia Only
- Stacked materials per AS3610:2018 Clause 3.2.3.2 = 2.5kPa

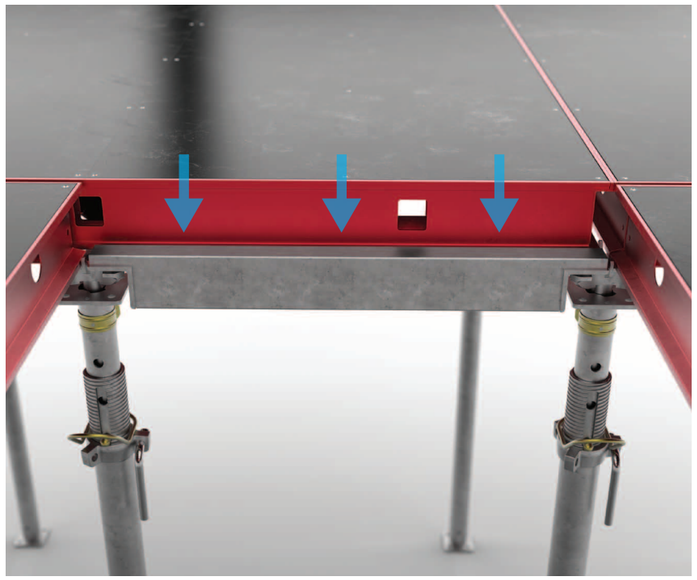


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FILL IN AREAS:



Adjustment beams lock into the standard bearing head for stability.

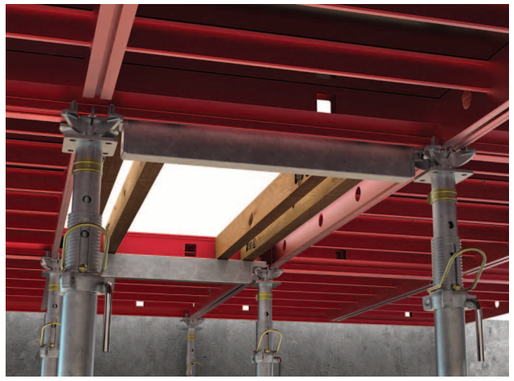


Adjustment Beams

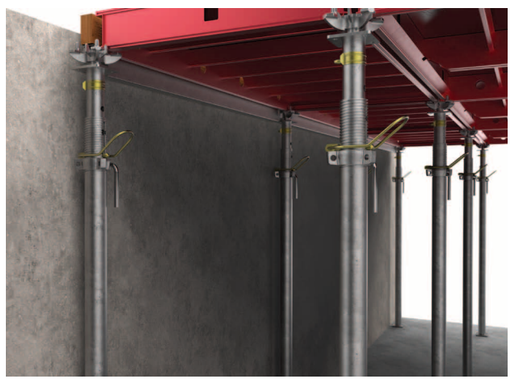
Adjustment beams are used to transition the panel's plywood surface to one supported by LVL's and 17 mm plywood on the same horizontal plain. An adjustment beam + a 95 mm LVL + 17 mm plywood provides the same soffit height as adjacent Rapid Deck panels.

Adjustment beams lock into the standard bearing head for stability and are suitable for either 90 cm or 180 cm spans.

Adjustment Beam Applications:



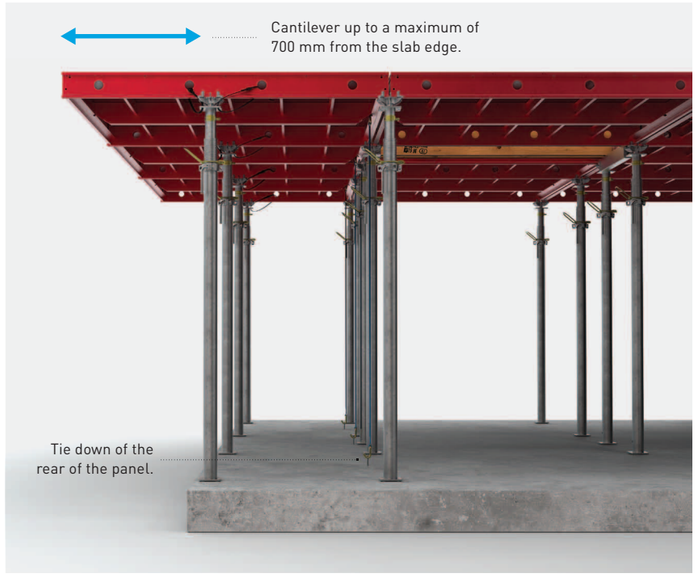
[01]
AROUND COLUMNS



[02]
ALONG WALLS

RAPID DECK FORMING

CANTILEVER PANELS:



Cantilever Panels up to 700 mm

180 cm RAPID DECK™ panels will cantilever any dimension up to a maximum of 700 mm from the slab edge, with adequate tie down of the rear of the panel to offset the overturning load.



TIE DOWNS:
The tie down strap, chain or wire rope, and the anchor connection into the slab, must have a vertical, minimum ultimate capacity of 700 kg per anchor.



STANDARD BEARING HEAD:
The standard bearing head supporting the cantilever must be either tied to the panel, or the prop supporting the cantilever must be braced back to the next inbound post to ensure prop stability.



CANTILEVERING LOADS:
Cantilevering overhangs are only suitable to personnel loads of 122 kg/m2. They are not suitable to stacked materials.

RAPID DECK FORMING

WIND UPLIFT RESISTANCE:

In certain conditions, additional measures must be taken to resist panel uplift. Factors that can contribute to uplift include:

[01]
HEIGHT
BUILDING HEIGHT, GEOMETRY & EXPOSURE.

[02]
HIGH WINDS
REGIONS WITH HIGH WIND SPEEDS.

[03]
LOCALIZED WIND
LOCALIZED WIND CONCENTRATION AREAS SUCH AS PERIMETERS, CORES, OR WALLS.

There may be other, specific considerations required by the Engineer of Record (EOR).

KEY INFORMATION:

- Standard 180×180 cm RAPID DECK™ panels weigh approximately 14.5 kg/m².
- Standard props with bearing head inserted weigh approximately 23 kg.

CONTROL MEASURES:

LOCALIZED WIND SPEEDS ≥ 64 KM/H
Additional resistance measures must be applied to all panels at exposed areas.

ACCEPTABLE METHODS FOR ADDED RESISTANCE:

- **Ballast:** Place suitable ballast directly on panels to increase system weight.
- **Connection:** Secure panels together and to props/bearings using heavy-duty nylon cable ties, suitable tie wire, or equivalent methods.
- **Anchoring:** Where appropriate, props may be anchored to the supporting slab or foundation for added resistance where deemed necessary.
- **Cantilevering:** Posts must be adequately connected to the panel above and/or the nearest, restrained prop, in addition to potential ballast or anchoring.

EXTREME CONDITIONS:
May require temporary dismantling of the formwork until suitable conditions prevail.

CAUTION: IN ALL CASES, PLEASE REFER TO YOUR ENGINEER OF RECORD [EOR] FOR DIRECTION.

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RAPID DECK FORMING

SAFETY INFORMATION:

At Proscaff, safety is our highest priority. The RAPID DECK™ Shoring System is engineered for compliance with all relevant standards, but safe results depend on correct use, competent supervision, and adherence to site regulations.

[01]
GENERAL RESPONSIBILITIES:

- Only trained and authorized personnel may assemble, alter, or dismantle shoring equipment.
- Work must comply with applicable WorkSafe / WHS regulations and local site safety requirements.
- A competent person (per WorkSafe regulations) must supervise all erection, use, and dismantling activities.
- Regular inspections are required to ensure components are in good condition and correctly installed.

[02]
SYSTEM USE & HANDLING:

- Always follow the manufacturer's instructions for assembly and loading.
- Do not exceed the rated capacities specified in this manual.
- Ensure all components are clean, undamaged, and free of excessive wear before use.
- Replace any defective parts immediately; never attempt makeshift repairs.
- Use appropriate bracing and guardrails to protect workers and maintain system stability.

[03]
SITE CONDITIONS:

- RAPID DECK™ components must be placed on firm, level foundations capable of carrying the designed loads.
- Props must be vertical and plumb.
- Decks must remain supported until the concrete has gained sufficient strength to carry imposed loads, per instruction from the Engineer of Record.

[04]
STRIPPING & REUSE:

- Only remove components in accordance with structural engineer approval and site procedures.
- Props should never be released under load without using the designed release pins.
- After stripping, store and transport components properly to prevent damage.

[05]
SHARED RESPONSIBILITY:

Remember: No system is safer than its users. While Proscaff guarantees the quality of its products, it is the contractor's responsibility to ensure:

- Proper training and supervision.
- Compliance with all applicable codes and standards.
- Safe working practices on every project.

CAUTION: FAILURE TO FOLLOW THESE GUIDELINES MAY RESULT IN SERIOUS INJURY, DEATH, OR PROPERTY DAMAGE. ALWAYS TREAT SAFETY AS THE FIRST PRIORITY!