

REVOLUTIONISING CONCRETE LIFTING



OBELIX
LIFTERS




parchem



Summary

Parchem Construction Products is a leading manufacturer and supplier of construction chemicals, decorative concrete products and related equipment for the Australian and New Zealand civil engineering, industrial, commercial, infrastructure, mining and residential construction markets.

Products & Brands

Parchem’s leading position reflects more than 50 years of unmatched experience and technical expertise, and the quality of its trusted brands, which include Emer-Clad, Durafloor, Fosroc, Selleys, Vandex, Corkjoint, Sewpercoat, Index and Flextool. Parchem’s product portfolio comprises:

Construction chemicals

Including: jointing systems and water stops; concrete repair, grouts and protective engineering coatings; industrial adhesives and fillers; industrial flooring and surface treatments; waterproofing and architectural coatings.

Construction equipment

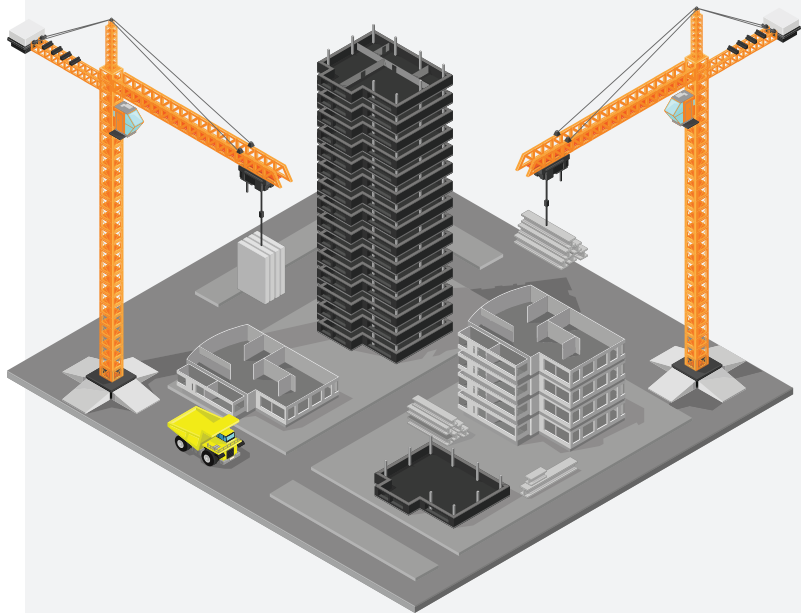
Including: soil and concrete compaction equipment; concrete vibrators and finishing equipment; and surface preparation equipment such as polishers.

Decorative concrete products

Including: coloured, stamped and stencil concrete for driveways and footpaths; and decorative internal concrete flooring.

Operations and Customer Channels

The business has built a premium brand position amongst an extensive network of civil engineers, asset owners and developers, specifiers and applicators. Parchem’s business comes from its direct relationships with end users who work with Parchem’s specifications team. Additionally sales come through its network of Parchem trade stores and numerous resellers throughout Australia and New Zealand.



Introduction

Obelix Lifting System is an Australian designed, fully patented product, specifically designed for concrete lifting applications both in precast construction and in the removal or demolition of existing concrete structures. Since 2011 the Obelix product systems have been successfully used by every major contracting company in Australia. The key to the system is the patented Obelix Lifting Clutch which consists of mechanical “fingers”, a lifting eye, and a high tensile steel shaft. The re-useable Obelix Lifting Clutch is designed for use by insertion into an undercut void. The award winning Obelix Lifting System is safe, fast and cost effective. It provides a new approach to handling concrete in a broad range of Civil Engineering, Precast Construction and Demolition applications.

It’s all about safety, durability and cost effectiveness

- Highest factor of safety in industry and exceeds industry standards
- System works on positive mechanical engagement
- Ground release mechanism
- Quick and easy to install
- Non corrosive - ideal for marine and costal environments
- No redundant anchors to corrode
- No Concrete cover issues
- No patching required
- Compliant to AS3850-2015, tested to EN/TS1992-4-2009 & AS3600
- Suitable for all Precast applications (Civil and Buildings)
- A Cost effective solution of demolition and remediation

OBELIX LIFTING SYSTEM

Key Components

Void Former	Retainer	Lifting Clutch	Finishing Cap	Undercutting Tool
Plastic (Sacrificial)	Plastic (Reusable)	EN26 Alloy Steel (reusable)	Plastic	

Installation & Lifting Steps

STEP 1 Select appropriate preassembled Obelix void		STEP 2 Fix Void Former to framework. (Fastened via the threaded insert in the centre of the Removable Cap)	
STEP 3 Cast concrete and cure		STEP 4 Using the Extractor Tool remove the Retainer Cap	
STEP 5 Insert and engage the Obelix Lifting Clutch		STEP 6 Attach lifting hooks	
STEP 7 Lift		STEP 8 On completion of lift disengage and remove Obelix Lifting Clutch and insert Plastic Finishing Cap	

Precast Lifting Solutions

- Precision Engineered Lifting Clutches
- Plastic Void Formers
- Reusable Void Former Retainers
- Lifting Accessories



Civil Engineering Lifting Solutions

- Ultra Heavy Duty Lifting Clutches
- Plastic Void Formers
- Reusable Void Former Retainers
- Lifting Accessories



Tilt Wall Lifting Solutions

- Remote Release Lifting Clutches
- Void Former Assemblies
- Lifting Accessories











Demolition & Rehabilitation

- Heavy Duty Lifting Clutches
- Diamond Under-Cutting Tools




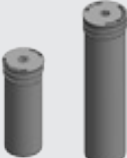



System Comparison

Traditional Lifting Systems		Obelix Lifting System		
Component	Features	Component	Features	Benefits
Lifting Clutch (Reusable) 	Forged/Cast Steel	Lifting Clutch (Reusable) 	High Strength Steel Alloy	<ul style="list-style-type: none">• Durability• Ductility• Precision machined• High strength• Reduced risk of deformation
Lifting Insert 	Galvanised Steel	Lifting Insert 	Not Required	
Void Former 	Plastic	Void Former 	Plastic	<ul style="list-style-type: none">• Reduced risk of failure• No risk of corrosion• No need for tension bars• Reduced installation errors• No effect on concrete cover• No risk of embrittlement• No risk of mechanical damage• No breach of thermal break• Reduced cost
Concrete	Base Material	Concrete	Base Material	<ul style="list-style-type: none">• Pre-lift inspection possible• Preserves lifting point for future use
Concrete	Base Material	Concrete	Base Material	<ul style="list-style-type: none">• Positive mechanical engagement• Reduced edge distances• Reduced spacing
Finishing 	Grout and patch	Finishing 	Plastic Finishing Cap	<ul style="list-style-type: none">• Efficient• Neat• Permits reuse of lifting point• Size identified• Low cost

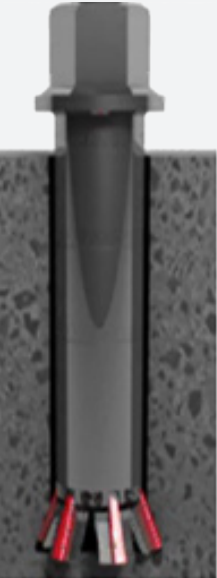
The Obelix Tilt Set

Code	Description	
100442	Obelix Tiltup lifter RMT release	
100444 100445	Obelix Tiltup 125mm panel assembly Obelix Tiltup 150mm panel assembly	
100443 100446	Obelix Tiltup 55mm chair for 175mm panel Obelix Tiltup 80mm chair for 200mm panel	

The Obelix 6.5t & 10t precast and civil system (Suitable for edgelifting thin wall panels)

Code	Description	
100447 100534 100452 100535	Obelix 6.5t 220mm lifter latch release Obelix 6.5t 220mm lifter RMT release Obelix 10t 350mm lifter latch release Obelix 10t 350mm lifter RMT release	
100448 100450	Obelix precast 6.5t retainer Obelix precast 6.5t STL retainer	
100449 100454	Obelix precast 6.5t void former Obelix precast/civil 10t void former	
100451 100456	Obelix 6.5t finishing cap Obelix 10t finishing cap	
100536	Removable tool M8	

Demolition

Code	Description	
100679 100678	6.5t undercutting tool 10t undercutting tool	

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