



# REDI-WASH

## CONCRETE TRUCK WASHOUT SYSTEM

- Cement residue reclaimed <
- Reclaims all sand & aggregate <
- Eliminates grey water <
- Prevents yard water run-off to storm water <

**ROCKTEC**  
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**NEW  
ZEALAND**

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The Jadair Redi-Wash System is the most proven, rugged and comprehensive truck mixer washout system available. Redi-Wash units are simple to install and operate, and have minimum replacement parts and operating costs. Couple this with the savings that can be made on existing operations and it makes this the most cost effective investment for sustainable operation of concrete plants today.

The original Redi-Wash unit went to work in 1969 in the USA. Whilst the product and its components have evolved the basic principles and the success (and payback) for the concrete plant operator have remained constant throughout.

Rocktec and Jadair have entered into a partnership agreement to distribute this machine throughout Australia and New Zealand.

### ► Jadair Redi-Wash Features

- Reclaiming all of the concrete materials being washed out of truck's mixer.
  - Provides recycled clarified water for the washouts from within the machine. A washout within 4 minutes, sometimes less.
  - Separates sand and aggregate from cement.
  - The Redi-Wash unit becomes the basis of an environmentally correct yard. i.e. deals with yard surface water when installed with our recommendations.
  - No settling ponds or discharge to waste (except exceptional excess rain water).
  - Usually reduces fresh water intakes on existing plant.
  - Proven payback each year over many years i.e. savings claimed by existing operators.
- The truck moves off and is available to pick up a new payload and deliver to next site. (Payload can be a completely different mix with no risk of recontamination from previous load).
  - The waste concrete slurry has been rapidly discharged from the mixer into the Reclaimer stage.
  - Paddle conveyor system tumbles and agitates the material down under thousands of litres of water to free it of the cement.
  - The cement is put into suspension in the water in the first stage.
  - The sand and aggregate fall to the bottom.
  - The washed aggregate is reclaimed and discharged from the machine onto a belt conveyor and can be separated into sand and aggregate by a screen (optional) at the end of the belt conveyor. The conveyor discharges into a separate bunker where the sand and aggregate is stockpiled.

### ► How it works

- The truck returns to the yard with waste or residue concrete.
  - The truck backs up to the Redi-Wash machine and undertakes washout and rapid discharge into the Redi-Wash.
- The old cement and fibre additives are kept in suspension in the water and transferred to the Clarifier Stage.
  - The Clarifier section is a controlled water clarification environment which results in a thick cement by-product being discharged into a separate bunker that a front-end loader can handle like clay.



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### ► Technical Features

- The heavy duty reclaimer provides rapid aggregate recovery and discharge onto 7.5m x 600mm chevroned belt conveyor for stockpiling.
- The reclaimer stage has a side chute extension 4.6m long reaching 1.0m from the side. Truck fill water discharge system is with a 1200lpm pump, valves and controls.
- Unit includes a spray washing system with stainless steel splash guards for the reclaimer conveyor.
- The system includes hydraulic controls, logic control with solid state sequencer and separate high voltage motor control.
- One electric motor powers a hydrostatic drive system for all conveyors and the two speed water pump. Hydraulic fluid low level alarm and make-up water liquid level control sump pump systems are standard features.
- The system automatically starts reclaiming activity when a vehicle moves into a washout position.
- These Redi-Wash units are complete, including internal water clarification.
- Units include truck fill water distribution system with pump, valves and controls.
- Clarifier stage includes oscillating paddle washer, with all pumbing and stainless steel splash guards, that automatically washes the paddles during night time cycles.
- The complete reclaiming water clarification unit is shipped virtually complete and placed on the designed foundation. All necessary components are furnished reducing the need for long commissioning times. The machine can be in full operation only a few hours later.



### Three Sizes of Redi-Wash units are available:

- Two Station Unit  
Services up to 14 mixers
- Three Station Unit  
Services up to 28 mixers
- Four Station Units  
Services up to 45 mixers

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