

Driving results Towards Sustainability, Productivity, and Performance

RECOVER® is used to stabilize mixer wash water for extended periods. This allows for use of the materials when specified or allowed. The RECOVER® Wash Water System protects your truck drums and eliminates discharge mitigating the growing regulatory issues around onsite discharge. RECOVER® is also used where controlled extended set of concrete is needed.

MINIMIZE
HARDENED
BUILDUP

DECREASE
WASHOUT TIME

ELIMINATE
WASH WATER
DISCHARGE

The Challenges

Batch plant washout water is a part of the daily production challenges. Drivers can use a large amount of fresh water to wash out their mixers at the end of their shift, and the amount of concrete waste generated, plus the time spent for this process can often become a problem.



For wash water applications, RECOVER® is used to eliminate the need to discharge wash water from the mixer. This allows the wash water to be used as mix water in the next batch of concrete produced and prevents the residual plastic concrete from hardening.

Stabilization of **up to 96 hours** is possible depending on dosage rate.

Compatibility with Other Admixtures

RECOVER® is fully compatible with other admixtures, including water reducers, accelerators, and specialty admixtures.

Note: Pre-job trial mixes should be conducted to help predict actual job performance. It is the concrete user's responsibility to determine if leftover, returned, or extended-set concrete is specified or allowed.

Performance and Effect on Concrete

RECOVER® stabilizes the hydration process of Portland cement preventing it from reaching initial set. This stabilization is not permanent and is controlled by dosage rate. For wash water, the RECOVER® treated water is mixed or sprayed in a specific manner to thoroughly coat the interior of the mixer. The water is used as mix water in the next batch of concrete produced, which then scours the unhardened material from the interior of the mixer.

Throughout the field development and testing of **RECOVER®** as a wash water additive, the effect on concrete performance was monitored. A tremendous range of mix designs, materials, and conditions were studied, and in each case, the **RECOVER®** treated wash water had no adverse effects on the properties of the concrete produced.

THE FOLLOWING WAS OBSERVED:

PROPERTY	EFFECT
Initial Set	+ - 1 Hour
Air Content	+ - 1 %
1 Day Strength	Up to 500 psi increase (3MPa)
7 Day Strength	Up to 500 psi increase (3MPa)
28 Day Strength	Up to 500 psi increase (3MPa)
Finishability and Pumpability	NONE

Note: The only trend observed was a moderate increase in strength, attributed to the cementitious contribution of the wash water. RECOVER® treated wash water simply acts as a coating for the mixing drum.

Dispensing Equipment

Different configurations will be needed based on your plant operations. Standard operating procedures, signage, labels, and equipment are available.

Please contact your Technical Sales Representative for more information.