

HEAVY WATER DYNAMIC

MULTI-PURPOSE DUST SUPPRESSANT

Heavy Water Dynamic (HWD) has been developed by RST as a multi-purpose micro polymer additive for water carts and spray systems - when applied on unsealed ground maximises water penetration and binds all fine particles to greatly improve dust control.



Easy implementation

Saves water, reduces water cart hours and improves safety

Immediate results

Compatible with the all NEW 'DOSE BUDDY' for effective water cart dosing.

Why use Heavy Water Dynamic?

- Quick results achieved with our super concentrated formula
- Efficient use of water when combined with Heavy Water Dynamic
- Adjustable application rate to suit different purposes
- Environmentally safe

"Watering frequencies to control site dust have been halved since using Heavy Water Dynamic."

**Project Manager -
Civil Contractor**

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Application

HWD has been developed by RST as a dust suppressant, water extender, compaction aid and veneering agent all in one. Simply adjust the application rate to achieve the required results for each different application.

It is as simple as dosing HWD at 1:10,000 into the water cart or spray system and adjusting the volume of the solution applied for each application.



Key Benefits

- Reduce watering frequency by approx. 50%
- Greatly reduce dust using 50% less water
- Compact unsealed road surfaces with regular applications with considerably less water
- Seals open source emissions and stockpiles
- Minimise sediment loss from open areas and roads into water storage, creeks, etc
- Reduces water evaporation



'Significantly increased water cart utilisation.'

More distance achieved

3x

Less water per m2 approx

50%

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Applications

Heavy Water Dynamic (HWD) is dosed into the water cart at a rate of 1:10,000. The inclusion of a Teksmart Dose Buddy pump which is specially designed to not shear the polymer and inject the correct application dosage into each water cart based on a pre-determined daily allowance.

The diluted solution is simply applied as part of the standard watering plan and results are achieved quickly.

A HWD solution applied at a heavier application rate on open source emissions such as stockpiles and all open ground that is NON trafficked will form a crust. HWD then seals the material to stop dust lift off and sediment loss for a considerable amount of time.

- **Road Dust:** Standard watering procedure
- **Water Extender:** Standard watering procedure
- **Compaction Aid:** Applied up to OMC (optimum moisture content)
- **Veneering Agent:** 1 to 2 litres per square metre
- **Sediment Binding:** 1 to 2 litres per square metre



About RST

- Over 26 years as a global dust suppression and soil stabilisation provider
- Industry leading & tailor made products, equipment and systems
- All products and systems are independently tested and evaluated by qualified engineers and testing agencies
- All solutions offer economical compliance with additional cost benefits to our clients

Environmental Commitment

The polymers we use are 100% bio-absorbable. That is, their affinity for solid particles is so strong that they do not leach, migrate or re-solubilise from the areas where they are applied. The fact they are water soluble only lasts until they touch something solid and they are immediately removed from the water and cannot be remobilised.

"Approximately 50% less water used per square metre when using with Heavy Water Dynamic."

DOSE BUDDY

TRUCK MOUNTED DOSING PUMP SYSTEM

A simple, yet highly effective dosing system that easily mounts onto a water cart

- Specifically developed to dose RST products
- Suitable for 12v and 24v electrical systems
- Manual start with timed auto off for accurate dosing
- Fits 25 litre containers



Benefits

- Easy installation
- Improves water cart effectiveness
- High quality components for enhanced durability
- No climbing on water carts
- Doses accurately every time
- No messy spills
- Simple to use
- Swing gate allows for easy container replacement
- The product is always on hand for multiple fill points



"Works a treat, so simple but does the job."
Quarry site - Australia