

COMPAK

BULK EARTHWORK COMPACTION AID

FASTER, LESS WATER AND REDUCED WATER PERMEABILITY - THE K FACTOR!

- > Maximum compaction with less compaction energy
- > Water saving achieved by reducing OMC of gravels
- > A liquid simply added into the compaction moisture
- > Achieves material design criteria with less resources
- > Added to compaction water at very low dilution rates
- > Ideal for large civil construction works such as dam walls
- > Allows for compaction of material at greater depths
- > Better compaction results in a more tightly bound material
- > Environmentally safe and very cost effective



DESCRIPTION

COMPAK is a uniquely balanced bulk earthworks liquid compaction aid concentrate developed by RST which is added to the water used to compact bulk earthworks in civil construction and mining projects, to deliver higher levels of compaction at greater depths much faster, using significantly less water.

COMPAK, both disperses and lubricates the soil/silt/clay particles in the material allowing them to move closer and tighter together using less water, compaction effort and time.

Upon compaction, COMPAK aligns and moves the soil/silt/clay particles closer together, facilitates reduced porosity, pore size distribution, pore continuity resulting in reduced void spaces which all attribute to significantly reduced water permeability rates and infiltration.

APPLICATIONS

All clay capping's and liners, dam and dam walls, all bulk earthworks including 'cut and fill', tailing dam cell construction.

Dosage Rate:

0.2 litres (200ml) per BCM (Bank Cubic Metre)

- Applied in the compaction water

Laboratory falling head permeability tests have shown COMPAK can increase **THE K FACTOR** of soils by up to one and two levels of magnitude. This significant reduction in soil permeability - **THE K FACTOR**, may allow contractors to improve and use on site substandard materials in bulk earthworks or reduces the design depth of clay capping's and liners by as much as 50%.